

Victoria College



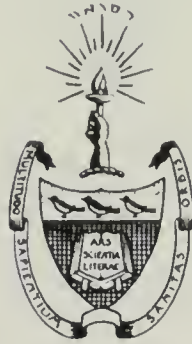
CALENDAR



1956-57

Victoria College

In Affiliation with the University of British Columbia



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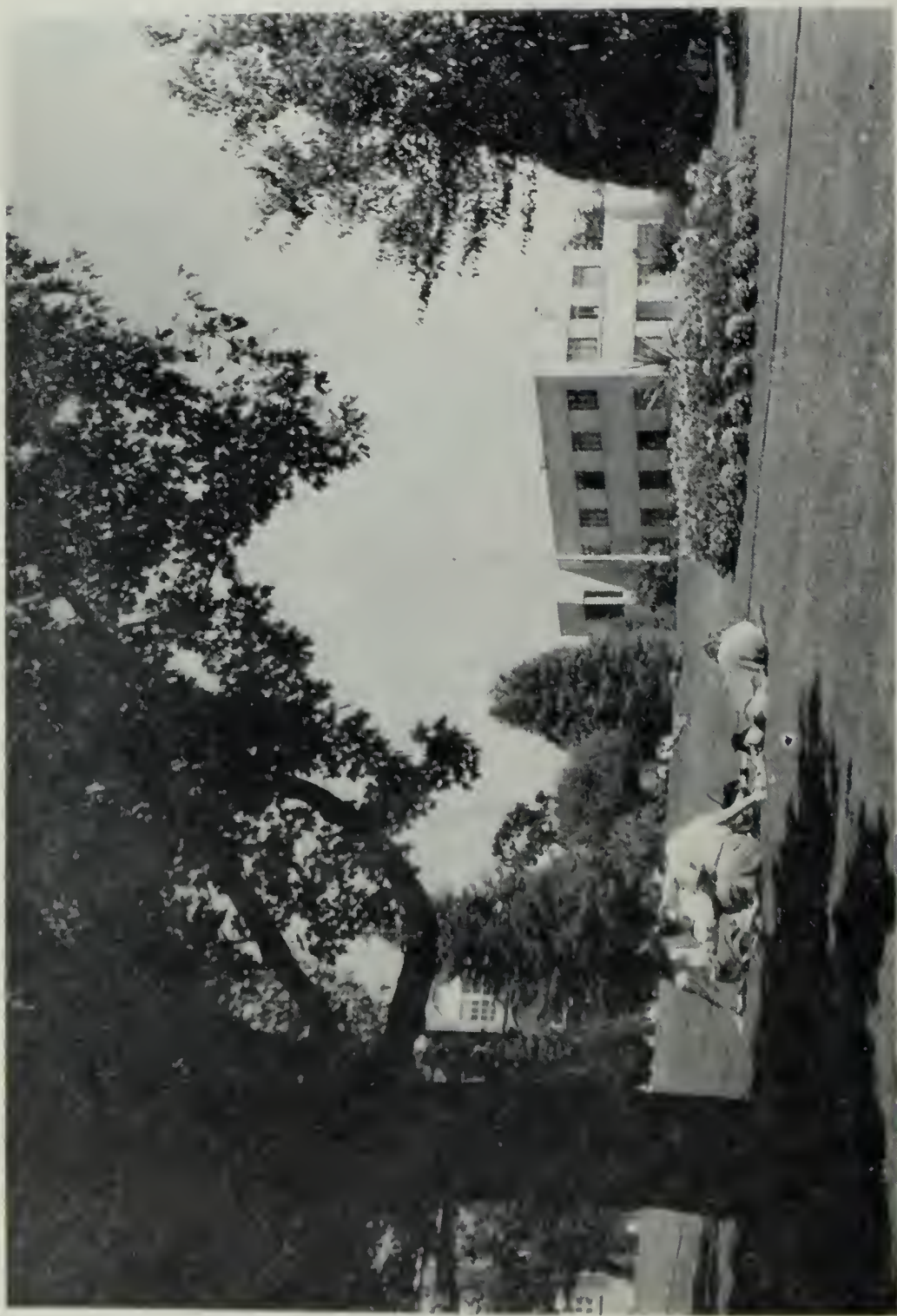
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Victoria College
Library

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VICTORIA, BRITISH COLUMBIA



EWING BUILDING, VICTORIA COLLEGE

VICTORIA COLLEGE COUNCIL

Norman A. M. MacKenzie, C.M.G., M.M. and Bar, Q.C., B.A., LL.B., LL.M., LL.D., D.C.L., D.Sc., Soc., F.R.S.C., President, University of British Columbia.

S. N. F. Chant, O.B.E., M.A., Dean of the Faculty of Arts and Science.

Neville V. Scarfe, M.A., Dean of the College of Education.

John Gough, M.A., Municipal Inspector of Schools, Greater Victoria District.

W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Principal.

Appointed by Board of Governors:

His Honour Judge J. B. Clearilne, M.C., E.D., B.A., B.C.L., M.A. (Chairman).
Term expires May, 1959.

J. Stuart Keate, B.A. Term expires May, 1957.

Appointed by Lieutenant-Governor in Council:

Lloyd G. McKenzie, B.A., LL.B. Term expires May, 1959.

Willard E. Ireland, M.A. (Vice-Chairman). Term expires May, 1957.

Appointed by Greater Victoria Board of School Trustees:

W. P. Jeune. Term expires May, 1959.

W. H. Golby. Term expires May, 1957.

OFFICERS AND STAFF

W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Principal.

Robert T. D. Wallace, M.A. (Brit. Col.), Vice-Principal and Director, Evening Division.

Henry C. Gilliland, M.A. (Brit. Col.), Director, Teacher Education.

Miss Dorothy M. Cruickshank, B.A. (Brit. Col.), Registrar.

Albert A. Spratt, B.A. (Sask.), B.L.S. (McGill), Librarian.

Mrs. E. Joyce McKay, B.A. (Man.), Book Store Manager.

Miss Patricia Sullivan, B.A. (Sask.), Associate Registrar.

Mrs. Marjorie Hoey, Assistant Registrar.

Miss Nora A. Dryburgh, B.A. (Brit. Col.), B.S. in L.S. (Wash.), Junior Librarian.

Denis A. Godson, B.A. (Brit. Col.), B.L.S. (Toronto), Junior Librarian.

Miss Grace D. Tuckey, B.A., B.S.W. (Brit. Col.), Library Assistant.

Miss Yvonne J. Peirce, B.A. (Brit. Col.), Library Assistant.

Miss Catherine D. Cameron, Secretary to Principal.

FACULTY OF ARTS AND SCIENCE

Professor Emeritus

Jeffrey A. Cunningham, B.A. (Queen's), Professor Emeritus of Zoology.

Department of Biology, Botany and Zoology

W. Gordon Fields, B.A. (Brit. Col.), A.M. (Stanford), Associate Professor of Biology and Zoology.

Miss Anne L. Gorham, B.Sc. (Dalhousie), M.Sc. (McGill), Instructor in Biology and Botany.

Arthur R. Fontaine, B.Sc. (McGill), Instructor in Biology and Zoology.

Department of Chemistry

Lewis J. Clark, B.A. (Brit. Col.), M.Sc. (Washington), Associate Professor.

Edward J. Savannah, A.B., S.B. (Calif.), Assistant Professor.

Charles E. Burchill, B.A. (Sask.), Instructor in Chemistry.

Department of Classics

John Carson, M.A. (Oxon), Assistant Professor of Classics.

Department of Commerce and Economics

G. Reid Elliott, B.A. (Sask.), M.A. (Toronto), Associate Professor.

Department of English

Roger J. Bishop, B.A. (Brit. Col.), M.A. (Toronto), Associate Professor.
Rodney P. D. Poisson, M.A. (Brit. Col.), Associate Professor.
G. Grant McOrmond, M.A. (Sask.), Assistant Professor.
Robert G. Lawrence, M.A. (New Brunswick), Instructor in English.
Miss E. Ann Saddlemeyer, B.A. (Sask.), Instructor in English.
Carl R. D. Hare, B.A. (Alberta), Instructor in English.

Department of Geology and Geography

Charles H. Howatson, M.A. (Brit. Col.), Associate Professor.

Department of History

Sydney G. Pettit, M.A. (Brit. Col.), Associate Professor.

Department of Mathematics

Robert T. D. Wallace, M.A. (Brit. Col.), Professor.
Mrs. O. Phoebe Noble, B.A. (Brit. Col.), Assistant Professor.
George E. Cross, M.A. (Dalhousie), Instructor in Mathematics.
Fred L. Martens, B.A., B.Ed. (Brit. Col.), M.S. in P.E. (Wash.), Part-time Lecturer for Session 1956-57.

Department of Modern Languages

W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Professor of French.
Miss Gwladys V. Downes, M.A. (Brit. Col.), Docteur de l'Université de Paris, Assistant Professor of French.
Gordon L. Tracy, B.A. (Queen's), M.A., Ph.D. (Wisconsin), Assistant Professor of German.
J. Beattie MacLean, B.A. (Brit. Col.), M.A. (Wash.), Ph.D. (Wash.), Associate Professor of German.

Department of Philosophy

Carl R. D. Hare, B.A. (Alberta), Instructor in Philosophy.

Department of Psychology

William H. Gaddes, M.A. (Brit. Col.), Ph.D. (Claremont), Associate Professor.

Department of Physics

John L. Climenhaga, M.A. (Sask.), Ph.D. (Mich.), Assistant Professor.
Andrew G. Hill, B.Sc., Ph.D. (St. Andrew's), Assistant Professor.

COLLEGE OF EDUCATION JOINT BOARD

Representing the University:

The Chancellor, The Honourable Chief Justice Sherwood Lett, or his nominee.
The President, Dr. N. A. M. MacKenzie, or his nominee.
The Dean of the College of Education, or his nominee.
Representative of the Senate, Dean Walter H. Gage (Chairman).

Representing the Provincial Department of Education:

The Deputy Minister, Dr. Harold L. Campbell, or his nominee.
The Assistant Deputy Minister, Dr. J. F. K. English, or his nominee.
The Co-ordinator of Teacher Education, or his nominee.
The Chief Inspector of Schools, Mr. F. P. Levins, or his nominee.

Representing Victoria College:

The Principal, Dr. W. Harry Hickman, or his nominee.

Representing the B.C. School Trustees' Association:

Mr. J. P. Dallos.

Representing the B.C. Teachers' Federation:

Mr. C. D. Ovans.

Mr. Harold N. Parrott.

Secretary, The Registrar.

FACULTY

H. C. Gilliland, M.A. (Brit. Col.), Professor and Director of Teacher Education.

Appointments effective September 1st, 1956:

George A. Brand, B.A. (Brit. Col.).

Miss Mameen C. Bray, B.P.E. (Brit. Col.).

Mrs. Kathleen M. Christie, B.A. (Brit. Col.).

Miss Winnett A. Copeland.

Hugh E. Farquhar, M.A. (Brit. Col.).

D. Boyce Gaddes, A.T.C.M., B.Mus. (Oregon), M.A. (Wash.).

Wilfrid A. Johns, B.A. (Wash.).

Alfred E. Loft, B.A. (Brit. Col.).

Fred L. Martens, B.A., B.Ed. (Brit. Col.), M.S. in P.E. (Wash.).

Geoffrey P. Mason, M.A. (Brit. Col.).

Neil A. Swainson, M.A., B.Ed. (Brit. Col.).

OTHER DEPARTMENTS

Counselling and Placement:

J. Beattie MacLean, B.A. (Brit. Col.), M.A. (Wash.), Ph.D. (Wash.), Supervisor.

Women's Activities:

Mrs. O. Phoebe Noble, B.A. (Brit. Col.), Co-ordinator.

College Health Service:

Staff to be appointed.

ACADEMIC YEAR*

1956

Wednesday, August 1st—Last day for submission of applications for bursaries.

Monday, August 20th—Supplemental examinations begin.

Monday, September 3rd—Labour Day. College closed Saturday to Monday, inclusive.

Thursday, September 13th—Registration begins. Fees due and payable.

Wednesday, September 19th—Last day for registration of new students.

Thursday, September 20th—Session begins (organization).

Friday, September 21st—Last day for registration.

Monday, September 24th—Lectures begin.

Friday, October 5th—Last day for change in students' courses.

Monday, October 8th—Thanksgiving Day. College closed, Saturday to Monday, inclusive.

Sunday, November 11th—Remembrance Day.

Friday, December 21st—First term ends.

1957

Monday, January 7th—Second term begins. Second term fees due and payable.

Thursday, April 18th—Last day of lectures.

Friday, April 19th—Good Friday. College closed.

Saturday, April 20th—Sessional examinations begin.

Saturday, May 4th—Sessional examinations end.

Monday, May 20th—Victoria Day. College closed.

Monday, July 1st—Dominion Day. College closed.

Tuesday, July 2nd—Summer Session begins. Last day of registration for the Summer Session.

Monday, July 15th—Last day for submission of applications for supplemental examinations.

Friday, August 16th—Summer Session ends.

Monday, August 19th—Supplemental examinations begin.

Tuesday, August 27th—Supplemental examinations end.

Saturday, August 31st—Academic Year ends.

* During 1956 the College is closed Saturdays from May 19th to September 1st inclusive.

VICTORIA COLLEGE

In affiliation with the University of British Columbia

VICTORIA COLLEGE offers two years of University work in Arts and Science and in the College of Education. Since the courses are the same as those prescribed by the University of British Columbia, students receive credits that are recognized wherever the credits of the parent University are recognized.

To be more specific, Victoria College offers the first two years of work preparatory to degrees in Arts, Commerce, Education, Law, Medicine, Dentistry, Social Work, and Library Science. The College also offers the first year of work preparatory to degrees in Agriculture, Applied Science, Architecture, Chartered Accountancy, Forestry, Nursing, Occupational Therapy, Physiotherapy, Optometry, Pharmacy, and Veterinary Medicine.

In 1894, by Act of the Provincial Legislature, High Schools of the Province were permitted to affiliate with recognized Canadian Universities, in order to provide the first stages of higher education.

Eight years later, in 1902, Victoria High School applied for affiliation with McGill University, and in the Fall of 1903 Victoria College opened its doors as a separate institution to give the first year in Arts and Science under the aegis of McGill. Second year work in Arts and Science was undertaken in 1907.

In 1906, the Provincial Legislature passed an Act incorporating the Royal Institution for the Advancement of Learning of British Columbia. This Institution, in the same year, established at Vancouver the McGill University College of British Columbia, and in the following year Victoria College became part of this foundation.

In 1908, an Act was passed establishing and incorporating the University of British Columbia, and in 1915, when the University of British Columbia was opened, Victoria College was closed.

Five years later, however, in 1920, public opinion demanded that higher education again be made available in the Victoria area, and Victoria College was re-established—this time in affiliation with the University of British Columbia.

In 1945, by virtue of an Agreement signed by the Education Department, the University, and the Greater Victoria School Board, the academic direction of the College was placed in the hands of Victoria College Council, on which all three authorities were represented. Financial direction remained in the hands of the Greater Victoria School Board.

At the 1955 session of the Legislature, Victoria College was by Statute created a second institution of higher learning in British Columbia, affiliated with the University of British Columbia, and offering courses approved by the University in the Faculties of Arts and Science and Education. The Victoria Normal School was incorporated into Victoria College as a part of the College of Education which, beginning September 1, 1956, assumes responsibility for the training of teachers. The affairs of Victoria College are vested in Victoria College Council consisting of eleven members.

The College buildings are situated at the corner of Lansdowne and Richmond Roads on the Mount Tolmie bus route, and command beautiful views of the City of Victoria, Juan de Fuca Strait, and the Olympic Mountains in the State of Washington.

The fullest facilities are available. These include a fine library, first-class laboratories, a book store, a cafeteria, and an adjacent playing field.

With its relatively small enrolment, and its carefully selected Faculty, Victoria College offers an individualized education to its students whether they be preparing the way for further University studies or planning to enter the teaching profession.

During the early summer of 1952 the new Library-Administration Building was ready for occupancy. The \$259,000 structure, financed by the B.C. Government, was named the Ewing Building, in memory of Dr. John Morton Ewing, who, as Principal from 1944 to 1952, very ably directed the College through the years of expansion following the war. The new building includes administrative and staff offices, the College Library, with 30,000 volumes and spacious, well lighted Reading Room, and an attractive Student Union Room.

IMPORTANT NOTICES

No student with unsatisfactory standing will be permitted to register without the permission of the Faculty.

As the College Session is short, the student must be prepared to do intensive work from the first day of the session to the last. Unless the student adapts himself to these conditions, his chances of success are slight.

The Principal and Staff are most willing at all times to give direction or advice, but the ultimate responsibility in the selection of courses rests with the students.

Regulation of Victoria College Council Forbidding Hazing and other Unauthorized Activities

The following are prohibited:

1. Hazing.
2. Any act by any student attending the College or by anyone at all causing injury or likely to cause injury to any person or damage to College property.
3. Bringing and/or consuming liquor within the precincts of the College, or in association with any function held under the name of the College.

Any student violating the above regulation will be liable to immediate expulsion.

Victoria College is governed by the regulations of the University of British Columbia, of which the official statement is the University Calendar; this Calendar is a digest of such regulations.

Students are warned not to assume that regulations remain unchanged from year to year. They should note regulations and outlines of courses as they appear in this Calendar.

Application for admission should be made as early as possible before September 1st, 1956, to the Registrar, Victoria College. Students registering for the first time must present their High School Graduation (University Programme) Certificates, and any higher certificates they may have obtained.

The Library

The Victoria College Library is housed in the Ewing Building. The collection, which is being augmented each year, comprises approximately 30,000 volumes, excluding periodicals. Over 125 periodicals are currently received. In addition, the collection contains over 500 long-playing phonograph records and about 500 art prints.

The walls, showcase and display stands feature B.C. original paintings and prints donated by friends or purchased for the Library under the direction of the Fine Arts Committee.

During the Session 1956-57 the Library will be staffed by four librarians and two assistants who will aid students to make the fullest possible use of the book collection.

While classes are in progress, the Library is open regularly as follows:

- | | |
|-----------------------------------|-------------------------|
| Mondays through Fridays— | 8:15 a.m. to 5:00 p.m. |
| Saturdays— | 8:15 a.m. to 12:45 p.m. |
| Monday through Thursday evenings— | 7:15 p.m. to 9:15 p.m. |

At other times the Library is open from 8:30 a.m. until 4:30 p.m. Mondays through Fridays.

The regulations governing the use of the Library are published in the **Students' Handbook** and are posted on the Library bulletin board. In the Reading Room, for those who wish to study and to consult books silence should prevail.

College Book Store

All text-books and student supplies can be purchased at the College Book Store which is within the College building.

GENERAL INFORMATION

The Session

The academic year begins on the first of September and ends on the last day of August. The Winter Session is divided into two terms—the first, September to December; the second, January to May. The Summer Session consists of seven weeks' instruction in July and August.

Courses of Study

For the session of 1956-57 the College offers instruction in the first two years of the Faculty of Arts and Science (including Commerce), and in the first two years of the College of Education leading to the degrees of Bachelor of Arts, Bachelor of Commerce, and Bachelor of Education.

By a proper selection of First Year courses in Arts and Science, students may equip themselves to enter, at the University, the first year of Engineering, Architecture, Forestry, Nursing, and the second year of Agriculture, Physical Education, Pharmacy.

Courses preparatory to Medicine, Dentistry, Law, etc., are given in so far as the curriculum applies.

Board and Residence

A list of private homes where students may obtain full board and room, room and breakfast only, or light housekeeping accommodation may be obtained from the Registrar's Office. Students wishing to work for their room and board should also apply to the Registrar's Office. Men and women students are not permitted to lodge in the same house, unless they are members of the same family, or receive special permission from the Faculty. The cost of board and room varies from about \$55 to \$60 a month. Students should ascertain whether they are being offered two or three meals a day at the price quoted. Light housekeeping accommodation is available from \$25 to \$30 a month. Lunches may be obtained on the campus.

Vocational Tests

Vocational tests will be administered every Wednesday afternoon and Saturday morning during the month of September. Application for these tests should be made to the office of the Registrar as early as possible.

ADMISSION REQUIREMENTS

All enquiries relating to admission to the College should be addressed to the Registrar.

1. **Qualification for Admission:** The minimum academic qualification for admission to the College is High School Graduation (University Programme) of the Province of British Columbia or its equivalent. An outline of the content of this programme may be obtained from the Department of Education, Victoria, B.C. No student will be admitted with incomplete or conditioned standing.

2. **Qualification for Admission by other than British Columbia Certificate:** A candidate who wishes to enter by certificate other than that issued by the Department of Education, British Columbia, should submit the original documents to the Registrar. Unless the applicant's diploma or certificate shows the gradings obtained in the several subjects of the work taken, he must arrange to have a statement of his grades sent to the Registrar by the educational body issuing the diploma or certificate.

3. Admission with Advanced Standing:

- (a) **Senior Matriculation:** A student, qualified for admission, who has passed Grade XIII (Senior Matriculation) Examinations of British Columbia or their equivalent, may be given credit in the subjects passed, but only in the First Year in the Faculty of Arts and Science, the College of Education, or the Faculty of Agriculture, and only insofar as these subjects meet the requirements of the First Year. No credit will be given for Senior Matriculation subjects passed subsequent to completion of First Year, nor will subjects of the First Year completed prior to subjects of Senior Matriculation be transferred to a higher year.
- (b) **Other Universities:** A student of another university or college applying for admission or for exemption in any subject or subjects is required to submit to the Registrar an official transcript of his record at the other university or college showing the subjects taken with the standing obtained in each.

4. **Students from Other Countries:** A student from a country where English is not the common language must satisfy the Registrar that his knowledge of English is adequate to permit the successful pursuit of his studies.

5. **Matriculation Requirements:** The High School Graduation (University Programme) and Grade XIII (Senior Matriculation) Examinations of the Province of British Columbia are arranged by the High School and University Matriculation Board of the Province. All enquiries relating to these examinations should be addressed to Executive Secretary of the High School and University Matriculation Board, Division of Examination, Department of Education, Victoria, B.C.

REGISTRATION

1. **Registration:** As a preliminary step, a student applying for registration in the College must obtain from the Registrar's office an **Application for Admission** form. The completed form, together with necessary certificates and a recent passport-type photograph of the applicant, should be submitted by September 1st in the case of a student proposing to attend the Winter Session and by June 1st for the Summer Session. Following receipt of this form the applicant will, in due course, be advised with respect to his admission and standing, and, if eligible, given instruction on procedure for completing registration.

Supplemental Examinations: If the results of supplemental examinations affect the eligibility of a student, he should obtain the results of the supplementals prior to application for registration.

2. **Completion of Registration:** Registration for new students must be completed in person during the period September 13th to September 19th; for all other students between September 13th and September 21st. Assessed fees are due and payable at the time of registration. No student will be permitted to complete registration until such fees have been paid.

Each student is required as part of his first application to furnish the information necessary for the University record, and to sign the following declaration:

"I hereby accept and submit myself to the statutes, rules and regulations, and ordinances of Victoria College, and of the faculty in which I am registered, and to any amendments thereto which may be made while I am a student of the College, and I promise to observe the same."

In the information furnished for the College records, the student is requested to indicate his religious denomination. This information is available upon request to the representatives of the denominations.

3. **Change in Registration:** A student desiring to make a change in the programme of courses for which he has registered must apply to the Registrar's office. Except in special circumstances, no change will be permitted after October 5th.

All other pertinent changes, including those in address and telephone number, must be reported promptly to the Registrar's office.

4. **Student Responsibility:** Each student is responsible for the completeness and accuracy of his registration. He must ensure that there is no discrepancy between the programme he is following and that entered on his course card in the Registrar's office.

A student may not take courses for which he has not registered, and may not drop courses without permission.

CLASSIFICATION OF UNDERGRADUATE STUDENTS

1. **Full Undergraduate:** a student proceeding to a degree in any faculty, who has passed all the examinations precedent to the year in which he is registered.

2. **Conditioned Undergraduate:** a student proceeding to a degree with defects in his standing which do not prevent his entering a higher year under the regulations governing Examinations and Advancement of the faculty in which he is registered.

3. **Occasional Student:** a student who, although he may not have fully satisfied the admission requirements of the College, has been granted permission to enrol in certain courses and attend classes on the understanding that he will not be entitled to credit towards a degree for any work taken.

ATTENDANCE

1. **Attendance at Lectures:** A student is required to attend at least seven-eighths of the lectures in each course for which he is enrolled. Admission to a lecture or laboratory and credit for attendance may be refused by the instructor for lateness, misconduct, inattention or neglect of duty.

2. **Deficient Attendance:** In case of deficient attendance a student may (with the sanction of the Principal and the head of the department concerned) be excluded from the Christmas or the final examination in a course; but, in the case of a final examination, unless the unexcused absences exceed one-fourth of the total number of lectures in a course, the student may be permitted to sit for the supplemental examination.

3. **Absence Consequent on Illness or Domestic Affliction:** Absences may be excused only by the Principal and medical certificates or other evidence must be presented.

WITHDRAWAL

Any student who after registration decides to withdraw from the College must report to the Registrar's office. He will be required to obtain clearance from the College, to the satisfaction of the Registrar, before being granted **Honourable Dismissal** or recommended, where applicable, for refund of fees.

SUPPLEMENTAL EXAMINATION CENTRES

Supplemental examinations may be written in August at the following British Columbia centres: Cranbrook, Dawson Creek, Kamloops, Kitimat, Ocean Falls, Penticton, Powell River, Prince George, Prince Rupert, Trail, Vancouver; and at Whitehorse, Y.T. Other centres outside of British Columbia are restricted to universities or their affiliated colleges.

The fee for each supplemental examination written at the College is \$5.00, at any other centre in British Columbia, \$7.50.

Applications for supplemental examinations in respect of the Winter Session examinations, accompanied by the necessary fees, must be in the hands of the Registrar by July 15th.

RE-READING OF EXAMINATION PAPERS

Re-readings, where permitted by the faculty concerned, are governed by the following regulations:

1. Any request for the re-reading of an answer paper other than for a supplemental examination (in which a request for a re-reading will not be granted), must reach the Registrar within two weeks after the announcement of examination results and must be accompanied by a fee for each paper of \$5.00, which will be refunded only if the mark is raised.

2. Each applicant for a re-reading must state clearly why he believes the content of his paper to deserve a mark higher than it received; pleas on compassionate grounds should not form part of this statement and prospective applicants should remember that a paper with less than a passing mark has been read at least a second time before results are announced.

3. Re-readings will not be permitted in more than two papers (6 units) in the work of one academic year, and in one paper (3 units) in a partial course of 9 units or less or in the work of one Summer Session.

FEES

1. The College reserves the right to make changes without notice in its published schedule of fees.
2. All cheques must be certified and made payable to "Victoria College."
3. In the Winter Session, undergraduate students taking not less than 12 units are subject to the same fees as full-time students.
4. The schedules below for full-time and partial students give fees payable by students in each Winter Session, including the "Alma Mater" fee.
5. The Alma Mater fee, authorized by Victoria College Council, is exacted from all students in the Winter Session for the support of the Alma Mater Society. This fee is \$13.00 for all students.
6. In the Winter Session, no refund will be made for first term fees after November 2nd, and for second term fees after February 1st. In the computation of refunds prior to these dates an amount of \$10.00 will be charged for each week, or part of a week, prior to the date on which the student notifies the Registrar officially of his cancellation of registration, or his withdrawal from the College. Application for a refund must be made to the Accountant within a two-week period after the student has discontinued his work.
7. The first term fees must be fully paid before registration is accepted. Students are not entitled to admission to classes until they have registered. The second term fees become due and payable in full on the first day of lectures of the second term.
8. Fees are not transferable from one session to another.
9. The holder of a scholarship or bursary issued by or through the College must pay the balance of the first term fees on registration, if the first instalment of the scholarship or bursary is less than the first term fees; if the second instalment is less than the second term fees, he must pay the difference on or before the first day of lectures in the second term.
10. A student whose second term fees are not fully paid by January 19th will be excluded from classes and his registration cancelled.
11. If a student, whose registration has been cancelled because of non-payment of fees, applies for reinstatement and his reinstatement has been approved by the Principal, he will be required to pay a reinstatement fee of \$10.00 together with all other outstanding fees before he is permitted to resume classes.
12. When permission to register late is granted a late fee of \$10.00, additional to all other fees, will be charged. This fee must be paid at the time of registration together with the first term fees.
13. All students are required to pay \$2.00 Library Caution Money, and all students registering for Chemistry are required to pay \$3.00 Chemistry Laboratory fee.

Full-time Students

First Term Fees—Payable in full at the time of registration.

Second Term Fees—Payable in full on or before the first day of lectures in the second term.

Faculty and Course:	1st Term	2nd Term	Total
Arts and Science (B.A.)	\$127.00	\$110.00	\$237.00
Commerce (B.Com.)	\$127.00	\$110.00	\$237.00
Education (B.Ed.)	\$127.00	\$110.00	\$237.00

Partial Students

1. For a course of 12 units or more:

The same as for full-time students.

2. For a course of less than 12 units:

First Term—Fully payable at the time of registration:

Alma Mater fee	\$13.00
Sessional fee per unit	8.00
Library Caution Money	2.00

Second Term—Fully payable on the first day of lectures of the second term:

Sessional fee per unit	7.00
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Extra-Sessional Courses

First Term—Fully payable at the time of registration:	
Sessional fee per unit	\$ 8.00
Second Term—Fully payable on the first day of lectures of the second term:	
Sessional fee per unit	7.00

Special Fees

For late registration, Winter Session	\$10.00
For late registration, Extra-Sessional or Summer Session	2.00
For reinstatement after cancellation of registration	10.00
Regular supplemental examination, per paper	5.00
Supplemental examination at other B.C. centres, per paper	7.50
Re-reading, per paper	5.00

SCHOLARSHIPS AND PRIZES

General Regulations

To be eligible for a general proficiency scholarship a student must take the full year's course, which must include the required courses for the year in which he is registered. Where credit has already been obtained in a required subject, however, another course may be substituted, with the permission of Faculty.

The standing of students taking more than the required number of units will be determined on the basis of the required number of units to be chosen in a manner most advantageous to the students.

The Committee on Prizes and Scholarships reserves the right to limit the amount of money retained by a student and/or to reassign scholarships (by reversion).

PERCY H. ELLIOTT MEMORIAL SCHOLARSHIP—One hundred and thirty dollars (\$130) awarded to a student of outstanding merit and promise in one specific field of study, who has also a high general academic standing, and qualities of character indicating worthiness to hold the scholarship. The scholarship is awarded, upon the recommendation of a Staff Committee, to a student in the First or Second Year and, unless service in the Armed Forces intervenes, proceeding immediately towards a University degree.

ROYAL INSTITUTION AND FRANK EATON MEMORIAL SCHOLARSHIP—Fifty dollars (\$50) awarded to the student taking the highest standing in English of the second year.

ALLIANCE FRANCAISE PRIZE—Fifty dollars (\$50) awarded to the student in the second year who has made the most progress in French and who intends to continue university work in this subject.

T. EATON COMPANY (Canada) LTD. SCHOLARSHIP—Two hundred dollars (\$200) awarded to a first year student of high standing in Mathematics 101, and, preferably, with a first-class average. The winner must continue at Victoria College.

KIWANIS SCHOLARSHIP—One hundred and fifty dollars (\$150) awarded to a man student completing the first year and entering the second year at Victoria College. Selection of the recipient to be made by the Kiwanis Club of Victoria in conference with the College Faculty.

OUTIA NICHOL BURSARIES—Two hundred dollars (\$200) donated annually to Victoria College by Mrs. W. C. Nichol, to provide scholarships in first and second year French. Two prizes of \$100 and \$50 respectively, will be awarded in the first year, and one prize of \$50 in the second year. These prizes are normally awarded on merit, but, if necessary, special circumstances may be taken into consideration. Students must continue at Victoria College for their second year or the University of British Columbia for their third year.

UNIVERSITY WOMEN'S CLUB SCHOLARSHIP—Two hundred dollars (\$200) awarded to the woman student taking the highest standing in her first year, and continuing her course in the second year at Victoria College or at any other university, provided the course desired is not available at Victoria College. When a student wishes to attend a university outside Canada, the reasons for such attendance should be submitted to the Executive of the University Women's Club for approval.

THE KATHLEEN AGNEW SCHOLARSHIP—One hundred and fifty dollars (\$150) donated for the purpose of stimulating the study of the History of Canada.

HUDSON'S BAY COMPANY SCHOLARSHIP—One hundred dollars (\$100) awarded to the student taking the highest standing in Economics 200, and continuing his university studies without interruption.

SIDNEY ROOFING AND PAPER COMPANY SCHOLARSHIP—Two hundred and fifty dollars (\$250) awarded to the leading student of the second year, on condition that he continues his university studies without interruption in the third year.

***THE CANADIAN LEGION, B.E.S.L. (VICTORIA, B.C.) SIR PERCY LAKE MEMORIAL SCHOLARSHIP**—Two hundred and fifty dollars (\$250) to be awarded annually to a worthy student of Victoria College on the recommendation of the Faculty. To be eligible, a student must be a veteran of World War II, or a son or daughter of a veteran of World War II or World War I, or the wife or widow of a veteran of World War II, and must continue his or her studies.

THE BRITISH AMERICA PAINT COMPANY SCHOLARSHIP—One hundred dollars (\$100) awarded annually to the leader of Second Year Chemistry.

VICTORIA GYRO CLUB SCHOLARSHIP—Two hundred dollars (\$200) awarded annually to a male student completing his first year at Victoria College. The recipient is to be selected annually by a committee of the Gyro Club, upon the recommendation of the Principal of Victoria College, on the basis of qualities of leadership, distinction of mind, and merit in games.

***VICTORIA MUNICIPAL CHAPTER IMPERIAL ORDER OF THE DAUGHTERS OF THE EMPIRE SCHOLARSHIP**—Fifty dollars (\$50) awarded annually to a first year student who is the child of a veteran of World War I or World War II. The recipient of the Scholarship must be recommended for general proficiency and worth by the College Faculty, and must continue university work into the second year.

THE BRITISH COLUMBIA ELECTRIC COMPANY, LIMITED, SCHOLARSHIP—One hundred and fifty dollars (\$150) awarded to the student with the highest standing who is proceeding, without interruption, to the First Year of Applied Science.

KINSMEN CLUB OF VICTORIA SCHOLARSHIP—One hundred dollars (\$100) awarded annually to a student of Victoria College. The recipient is to be selected by a committee of the Kinsmen Club, on the basis of outstanding scholastic ability and promise, upon the recommendation of the College Faculty.

ESTHER PEARCE MEMORIAL PRIZE—Fifty dollars (\$50) awarded annually by Chapter N, P.E.O. Sisterhood, to a woman student in First Year for excellence in English.

JOHN WESLEY AND EMILY E. CHURCH MEMORIAL SCHOLARSHIP—One hundred dollars (\$100) awarded annually by Mr. W. J. V. Church and Mr. C. A. J. Church to the student winning highest standing in Latin (Latin 90 or Latin 110 or 120), or in Greek, or in Latin and Greek, in the first year, and continuing with the subject (or the subjects) in the second year at Victoria College.

***KER SCHOLARSHIP**—One hundred and twenty-five dollars (\$125) awarded to a student in the first year who is proceeding to the second year either at Victoria College or a Canadian university. The applicant must have been a cadet (Sea, Army or Air) for at least two years during his last three years of high school. If there be no such applicant, the Committee on Prizes and Scholarships may recommend for the award a student who has satisfactorily completed first or second year at Victoria College and is enrolled for service in one of the University training units. Application, together with a certificate from the Cadet unit concerned, must be made to the Registrar not later than April 30th. Selection of the winner is to be made by Faculty in consultation with the donor, Mr. R. H. B. Ker.

LIONS CLUB SCHOLARSHIP—One hundred dollars (\$100) awarded annually to the student obtaining the highest standing in Zoology 105 or Botany 105 and Chemistry 101, and continuing similar work in the Second Year at Victoria College.

* To be applied for on forms obtainable at Registrar's Office. Applications must be in the hands of Registrar not later than the last day of the final examinations.

BRITISH COLUMBIA CEMENT COMPANY, LIMITED, SCHOLARSHIP—One hundred dollars (\$100) awarded annually to the student in First Year who obtains the highest standing in Chemistry and who intends to continue studies at Victoria College or at any other university.

THE ARTHUR S. DENNY SCHOLARSHIP—One hundred dollars (\$100) awarded annually by the Standard Furniture Company to the leader of the First Year Commerce Course proceeding to Second Year Commerce at the University of British Columbia.

THE WYLLIE PRIZE—An annual prize of fifty dollars (\$50) and a book offered by Mr. and Mrs. A. S. Wyllie to the leading Philosophy student.

THE BRITISH COLUMBIA ELECTRIC COMPANY LIMITED PROFICIENCY SCHOLARSHIPS—Five scholarships of \$200 each, the gift of the British Columbia Electric Company Limited, will be awarded annually to students of the University or Victoria College, who are proceeding to further undergraduate work in any faculty of this University. These awards will be made, on the basis of proficiency, to students with outstanding records or scholastic achievement. Winners will be selected by the University Joint Faculty Committee on Prizes, Scholarships and Bursaries, after consultation with departments and faculties.

ROBERT V. ANDERTON MEMORIAL SCHOLARSHIP—The Camosun Gyro Club of Victoria will present a scholarship in the amount of \$50 annually in memory of Bob Anderton, formerly a member of the Club, to a promising and deserving student of the First Year at Victoria College going into Second Year. The selection of the candidate shall be left to the discretion of the Victoria College Scholarship Committee.

THE MADAME SANDERSON MEMORIAL SCHOLARSHIP—Fifty dollars (\$50) offered annually to a promising student of Victoria College for excellence in English and French of the Second Year.

THE BRITISH COLUMBIA TELEPHONE COMPANY SCHOLARSHIP—One hundred dollars (\$100) awarded to a student of First or Second Year for excellence in Physics. The winner must continue University studies.

THE BENNY NICHOLAS MEMORIAL AWARD—One hundred dollars (\$100) presented annually by the Victoria Daily Times to the student who submits the best essay, poem, play or article.

THE ISLAND TUG AND BARGE, LIMITED, SCHOLARSHIP—One hundred and fifty dollars (\$150) awarded annually to the student leading courses numbered 200 in any two of the following departments: Botany, Chemistry, Geography, Geology, Mathematics, Physics, Zoology. The winner must continue his academic work at an approved university.

VICTORIA MUNICIPAL CHAPTER, I.O.D.E., GOLDEN JUBILEE SCHOLARSHIP—One hundred dollars (\$100) awarded to the top Second Year student in Canadian History in 1957.

THE FRANK D. LEE SCHOLARSHIP—One hundred dollars (\$100) awarded annually by Frank D. Lee of Frank L. Bott & Company to assist a promising student to continue his studies in First or Second Year Commerce.

THE FRED SPENCER SCHOLARSHIP—One hundred dollars (\$100) presented annually by Spencer's Stores Limited to an outstanding First Year student who is planning a business career and who is either continuing his studies at a recognized university or is attired to a chartered accountant. The candidate is to be selected by the Victoria College Committee on Prizes and Scholarships.

THE VANCOUVER ISLAND BRANCH, ENGINEERING INSTITUTE OF CANADA, SCHOLARSHIP—One hundred dollars (\$100) awarded annually to an outstanding student proceeding into Engineering at an approved university. The award is to be made by the Committee on Prizes and Scholarships at Victoria College.

THE VICTORIA COUNCIL, UNITED COMMERCIAL TRAVELLERS OF AMERICA, SCHOLARSHIP—One hundred dollars (\$100) awarded annually to the leading student of the Humanities in the Second Year. The winner must continue university studies.

THE YORKSHIRE AND CANADIAN TRUST LIMITED SCHOLARSHIP—One hundred and seventy-five dollars (\$175) awarded annually to an outstanding student of Victoria College who is registered in the College of Education. The winner must be continuing university studies leading to a B.Ed. degree. Selection will be made by the Committee on Prizes and Scholarships at Victoria College.

THE YARROWS LIMITED BURSARY—One hundred and fifty dollars (\$150) awarded annually to a very worthy student continuing university studies, with preference given to a student planning to take up engineering as a profession.

THE ALAN PRATT MEMORIAL SCHOLARSHIP—One hundred dollars (\$100) awarded annually to a student with broad interests completing Second Year.

GRUEN GOLD WRIST WATCH—To be presented each year by the Gruen Watch Company, through F. W. Francis, Ltd., to the student obtaining the highest average on the Sessional Examinations, with the provision that no student win it more than once.

BIRKS GOLD WATCH—Offered by Henry Birks & Sons (B.C.) Ltd., of Victoria, and awarded annually to a first-class student who has, in the opinion of the Committee on Prizes and Scholarships, made a valuable contribution to student life.

The following scholarships are open to students who have completed University Entrance and are proceeding to Victoria College.

CECILIA GREEN MEMORIAL SCHOLARSHIP—One hundred dollars (\$100) awarded to the first ranking student from Victoria High School in the University Entrance Examinations who has not already merited another award. The recipient must attend Victoria College or the University of British Columbia.

VICTORIA WOMEN'S CANADIAN CLUB SCHOLARSHIPS—(1) One hundred and fifty dollars (\$150) awarded to the female student attending a public high school in Greater Victoria School District (No. 61) who makes the highest standing in the University Entrance Examination, held in June, and registering for a full first year course in Victoria College or the University of British Columbia, the following September.

(2) One hundred and fifty dollars (\$150) awarded to the male student in Greater Victoria School District making the highest standing in the same examination and under the same conditions. Should the student, in either case, be awarded a scholarship from any other source, the Club Scholarships shall then revert to the student having the next highest standing.

UNIVERSITY SCHOLARSHIPS FOR UNIVERSITY ENTRANCE, School District No. 61, and School Districts Nos. 62-74—Two scholarships of one hundred and seventy-five dollars (\$175) awarded for general proficiency in the University Entrance Examinations. The winners must attend either the University of British Columbia or Victoria College (District 61-66 only).

THE CHRIS SPENCER FOUNDATION SCHOLARSHIPS FOR UNIVERSITY ENTRANCE—Two scholarships of \$225 each, the gift of the Chris Spencer Foundation, will be awarded to the candidates selected by the University to receive the University Scholarships for University Entrance described above. Through this gift each of the winners will therefore receive a total scholarship of \$400. These supplementary scholarships are subject to the same conditions and regulations as those governing the University Scholarships for University Entrance.

THE CHRIS SPENCER FOUNDATION SPECIAL SCHOLARSHIPS—Two scholarships, each of the value of \$400 a year and renewable annually for a maximum of five years (to a total of \$2,000), are offered to students entering the University of British Columbia or Victoria College for the first time and proceeding to a degree at this University. These scholarships, the gift of the Chris Spencer Foundation, are available only for students whose ordinary private domicile, home, or residence is in the Province of British Columbia. Applicants will be considered, not only on the basis of scholastic ability, but also with respect to extra-curricular activities, such as outdoor sports, debating, dramatics, music, etc., and on indication, during the period of high school, of moral force of character and of instincts to lead and take an interest in classmates. Students holding these scholarships in any year of their course will be permitted to retain it for the following year only provided they obtain an average of at least 80% in the final examinations for the year or rank in

the upper 10% of their class (i.e. the year and faculty in which they are registered) in the work of the year. Selection of applicants will be made by a committee representing the Foundation and the University. Applications, on forms obtainable from the office of the Dean of Administrative and Inter-Faculty Affairs, should be received by April 15th, and cannot be accepted after May 1st.

THE BRITISH COLUMBIA ELECTRIC COMPANY LIMITED SPECIAL SCHOLARSHIPS—Five scholarships of \$200 each, offered annually by the British Columbia Electric Company Limited, are available annually for sons and daughters of employees of the Company who are beginning or continuing their undergraduate studies in any faculty at the University. Winners of scholarships, however, whose homes are in Victoria or its vicinity may, if they wish, attend Victoria College. These scholarships will be awarded on the recommendation of the Joint Faculty Committee on Prizes, Scholarships, and Bursaries to applicants who have outstanding records of scholastic achievements, and are deserving of financial assistance. Application by letter must be made to the Dean of Administrative and Inter-Faculty Affairs not later than August 1st. Letters of application should state particulars of family service with the Company and include certificates of standing in all subjects taken in High School Graduation (University Programme), Senior Matriculation, Victoria College, and the University.

BRITISH COLUMBIA FOREST PRODUCTS LIMITED SCHOLARSHIPS—British Columbia Forest Products Limited offers annually fourteen one-year scholarships of \$300 each to legal dependents of employees who, by June 15th of the year in which the award is made, have served with the Company for at least one year. They are open to students proceeding from Grade XII (High School Graduation, University Programme) or Grade XIII (Senior Matriculation) to the University of British Columbia. Residents of Vancouver Island may attend Victoria College. The scholarships will be awarded to the applicants who, in the opinion of the University, have the most outstanding scholastic records. Students intending to compete for these scholarships must apply to the Dean of Administrative and Inter-Faculty Affairs, University of British Columbia, Vancouver 8, B.C., before June 15th.

U.B.C. ALUMNI ASSOCIATION REGIONAL SCHOLARSHIPS—Contributions to the Alumni-U.B.C. Fund have made possible the establishment of twelve regional U.B.C. Alumni Association Scholarships of \$250 each. These scholarships are available for students proceeding from Grade XII (High School Graduation, University Programme) or Grade XIII (Senior Matriculation) to the University of British Columbia or Victoria College. One scholarship will be awarded in each of the following regions: (1) East Kootenay; (2) West Kootenay; (3) South Okanagan and Boundary; (4) North Okanagan and Thompson; (5) Skeena; (6) North Central B.C.; (7) Greater Vancouver and Howe Sound; (8) New Westminster and Fraser Valley; (9) Greater Victoria and Lower Vancouver Island; (10) Upper Vancouver Island and Powell River. Two other scholarships will be awarded at large. Winners will be selected by a special committee representing the University and the Alumni Association. Application forms may be obtained from Dean Walter H. Gage, University of B.C., Vancouver 8, B.C., and completed application forms should be received by April 15th, and cannot be accepted after May 1st. All applicants must write a full set of High School Graduation (University Programme) or Grade XIII (Senior Matriculation) examinations conducted by the Department of Education, British Columbia, in June.

THE VICTORIA NAVAL OFFICERS' ASSOCIATION SCHOLARSHIP—The Naval Officers' Association of Victoria, B.C., offers a scholarship of \$300 to a student entering the first year of university at the University of British Columbia or at Victoria College. The scholarship is open to the sons of Ex-Royal Canadian Naval Personnel, or Ex-Royal Naval Personnel, whose ordinary private domiciles, homes or residences are in the Province of British Columbia. The recipient of the award will be selected by the Joint Faculty Committee on Prizes, Scholarships and Bursaries of the University of British Columbia and the selection will be based on scholarship, character, leadership and financial need. The candidate selected must be willing and physically fit to join the U.N.F.D. at the University or Victoria College. Applications to the Dean of Administrative and Inter-Faculty Affairs, University of British Columbia, Vancouver 8, must be filed by June 15th.

STUDENT ASSISTANCE

Where scholarship warrants and financial need is proven to the satisfaction of the Provincial Bursary-Loan Committee, some financial assistance in the form of loans or bursaries may be granted by the Department of Education of the Province of British Columbia. See inside front cover of Calendar.

Victoria College also has a small loan fund to assist students requiring financial assistance. For further information please consult the Principal.

Work in the Library and in the Cafeteria, up to a maximum of 175 hours at 75c per hour, will be provided for students of good standing who require financial assistance. Application should be made to the Registrar at time of registration on a form available for this purpose.

FACULTY OF ARTS AND SCIENCE

COURSES LEADING TO DEGREE OF B.A.

(Four-year course, two years of which may be taken at Victoria College)

Registration and Admission

1. Registration must be completed during the period September 13th-21st, as described on page 9.

2. After October 5th, except in very special circumstances and with the permission of Faculty, no student may change the programme for which he has registered.

3. All changes in registration must be made by the student at the Registrar's office. A student may not take courses for which he has not registered, and will be considered as having failed in all courses dropped without permission.

General Regulations

1. Students who take more than 15 units in the First or Second Year may not receive credit in a higher year for these extra units unless they have previously completed at least 3 units of the year in which they are registered.

2. Subjects credited to one year may not be transferred later to a higher year.

3. Without the special permission of Faculty, no student may take less than 15 units in each Winter Session.

4. No student may take more than 18 units in each Winter Session.

5. Students may not receive University credit for courses passed for High School Graduation whether taken among the required credits or as extra subjects.

6. Students may not continue with work in a higher year, unless they take concurrently all courses required to clear conditions or deficiencies in the lower years. The total of all work taken may not exceed 18 units. They may continue only in subjects for which they have successfully completed the prerequisites.

7. Students are responsible for ensuring that their courses have been chosen in conformity with Calendar regulations.

8. Attention is drawn to regulations concerning Examinations and Advancement, Page 25.

First and Second Years

In the First Year a minimum of 15 units is required. In the Second Year of a General Course and of some Honours Courses, at least 15 units are required. In certain Honours Courses, however, 18 units must be taken.

Courses in each of the First and Second Years must be chosen to conform, not only with the rules and regulations in the preceding pages, but also with requirements A-E of the First Year and requirements F-K of the Second Year, as set forth in the following tables and notes.

Requirement Designation	FIRST YEAR	Units	Refer to Notes:
A	English 100 and 101	3	
B	Language (other than English)	3	1, 2, 5
C	Mathematics 100 or 101 or additional Language	3	1, 2, 6
D	Elective	3	1, 2, 4, 6
E	Elective	3	1, 2, 4, 6

Requirement Designation	SECOND YEAR	Units	Refer to Notes:
F	English 200	3	-----
G	Language (other than English)	3	1, 3, 5
H	Elective	3	1, 3, 4, 6
I	Elective	3	1, 3, 4, 6
J	Elective	3	1, 3, 4, 6
K	Special Honours Elective	3	1, 3, 6, 7

Reference Notes

1. Not more than one course numbered below 100, taken at the University or by Senior Matriculation, may be counted for credit for the B.A. degree.

2. All courses for First Year credit (requirements A-E inclusive) must be selected from the following list. For prerequisites and other details, see pages 27-32.

Biology 105	History 101, 102
Botany 105	Latin 90, 110 or 120
Chemistry 101	Mathematics 100 or 101
Economics 100, 140	Philosophy 100
English 100 and 101	Physics 100, 101 or 103
French 110 or 120	Psychology 100
Geography 101	Spanish 90
German 90, 110 or 120	Zoology 105
Greek 90, 101	

3. All courses for Second Year credit (requirements F-K inclusive) must be selected from the list in Note 2 or from the following additional subjects. For prerequisites and other details consult pages 27-32.

Botany 205	German 200
Chemistry 200, 210	Greek 202
*Commerce 151	History 201, 304
*Economics 200	Latin 210 or 220
English 200	*Mathematics 201, 202, 205, 310
French 210 or 220, 223	Physics 200
Geography 201, 207	Psychology 202
Geology 200	Zoology 202

4. Courses under B and G must be chosen from French, German, Greek, and Latin. Students must meet these requirements in accordance with one of the following plans:

(i) they may take a language course of the 100 level under B; and a course in the same language of the 200 level under G;

(ii) they may take a language course numbered 90 under B, a course in the same language of the 100 level under G, and, in the same language, a course of the 200 level in the Third and Fourth Year;

(iii) if their courses include at least 12 units of laboratory science or at least 9 units of laboratory science and 6 units of Mathematics, they may take, under B and G respectively, any two of French 110 or 120, 210 or 220, German 90, 110 or 120, 200, Greek 90, 101, 202, Latin 90, 110 or 120, 210 or 220, Spanish 90. Only one course numbered 90, however, may be selected.

Students whose course in the combined First and Second Years include 18 units of laboratory science may defer the language of the Second Year to their Third or Fourth Year.

* Commerce 151 and Economics 200 are open only to those students who are permitted to register in the Second Year. Mathematics 310 is open to prospective Honours students only.

5. The electives C, D, E, H, I, J must be chosen to include each of the following:

(i) at least one laboratory science course chosen from Biology 105, Botany 105, Chemistry 101, Geography 101, Physics 100, 101 or 103, Zoology 105. A student who takes at least 18 units of languages (other than English) in the combined First and Second Years may, however, defer this science until his Third or Fourth Year;

(ii) at least one course chosen from Economics 100, 140, 200, Geography 201, 207, History 101, 102, 201, 301, Philosophy 100, Psychology 100. A student who takes at least 12 units of laboratory science courses in the combined First and Second Years may defer this course until his Third or Fourth Year;

(iii) at least one course—not already chosen—from Mathematics 100, 101, French 110 or 120, 210 or 220, German 90, 110 or 120, 200, Greek 90, 101, 202, Latin 90, 110 or 120, 210 or 220, Spanish 90. If a language is chosen it must be additional to the courses required under B and G and in a different language. Before the choice is made, the student should read Note 6 carefully.

6. (i) Mathematics 100 is open only to students who have completed Mathematics 30, but not Mathematics 91, of the high school programme; Mathematics 101 is open only to those who have completed Mathematics 91 of the high school programme or Mathematics 100. Credit will not be given for both Mathematics 100 and 101 and the courses cannot be taken concurrently.

(ii) Mathematics 101 is required for admission to Applied Science (Architecture and Engineering), Forestry, Medicine and Pharmacy.

(iii) In courses leading to the B.A. degree, Mathematics 101 is required for Bacteriology (all courses except 100), Biology (all courses except 105), Botany (all courses except 105), Chemistry (all courses except 101, 210), Geology, Mathematics (all courses except 100, 201, 205), Physics (all courses except 103), and Zoology (all courses except 105). It is also a prerequisite for majors or Honours in the above subjects and also for Honours in Economics, Geography, Philosophy, and Psychology. Mathematics 101 must precede all these courses except Bacteriology 200, Chemistry 200, and Physics 100, 101, with which it may be taken concurrently.

(iv) In courses leading to the degree of B.A., either Mathematics 100 or 101 must be taken by students registering for Bacteriology 100, Chemistry 101, Geography (all courses except 101, 201, 207), and Honours in Political Science. Unless Mathematics 91 has been completed for High School Graduation, Mathematics 100 must precede, or be taken concurrently with Economics 200, Geography 101, Physics 103.

(v) The requirements in Mathematics for students proceeding to Commerce Nursing or Social Work, or entering Home Economics or Physical Education, are given in the sections of this Calendar dealing with the curricula of these schools.

7. The special elective under K, which must be chosen from the subjects listed in Notes 2 and 3, need be taken only by students who are proceeding to those Honours Courses which require 18 units in the Second Year. The individual departments should be consulted. See also pages 27-32.

THIRD AND FOURTH YEARS

The requirements for a B.A. in a General Course (minimum of 60 units chosen in conformity with Calendar regulations) and in an Honours Course (66 units, similarly conforming) are described in the following sections.

General Course Curriculum

In the combined Third and Fourth Years a minimum of 30 units, of which at least 15 units must be taken in the Third Year, are required. The following regulations apply:

1. Courses must be selected so as to include two majors in different subjects. In general a major in a subject consists of a 9 unit combination of courses, numbered 300 and higher, in that subject. Each major has a prerequisite course or courses, numbered less than 300, which should be taken in the first two years. Details of majors and prerequisites are given under each subject in which a major is offered. (See pages 21-25.)

2. The two majors may not be selected from different branches of the same subject.

3. In certain cases the prerequisite courses for majors may be taken in the Third Year, but courses thus taken may not be counted as part of the 9 units required for a major.

4. At least 6 units must be taken in a subject or subjects other than those from which the majors are selected.

5. The remaining units required for the combined Third and Fourth Year programme may be selected from courses, not already chosen, which are in the same subjects as the majors or otherwise.

6. Not more than 9 units in courses numbered less than 300 may be counted for credit in the 30 units required in the combined Third and Fourth Years.

HONOURS CURRICULUM

A student may proceed to the B.A. degree in an Honours Course in a single subject (Single Honours) or in an Honours Course in two subjects. An Honours Course in two subjects may be a four-year course from High School Graduation (Combined Honours) or a five-year course from High School Graduation (Double Honours).

The B.A. in any Honours Course requires the completion of the First and Second Years in conformity with the regulations on pages 18-20. For Single or Combined Honours 51 units are required in the combined Second, Third, and Fourth Years; for Double Honours 66 units are required in the combined Second, Third, Fourth and Fifth Years. For Single Honours at least 18 of the requisite units in the combined Third and Fourth Years must be taken in the subject concerned and at least 6 units in another subject or subjects.

For regulations governing Honours Courses see University Calendar.

REQUIREMENTS FOR MAJORS AND HONOURS

Anthropology

(a) Major—Second Year: Anthropology 200 and Sociology 200, one of which may be taken concurrently with advanced work; Third and Fourth Years: total of 9 units in Anthropology courses numbered 300 or above.

(b) Single Honours—First and Second Years: any two of Anthropology 200, Economics 200, Geography 201, Psychology 201, Sociology 200, Biology 105, Philosophy 100. For admission to Third Year, First or high Second Class standing in these subjects is required, plus a reading knowledge of French, German, Russian, or Spanish.

(c) Combined Honours—See University Calendar.

(d) Five-Year Double Honours—See University Calendar.

Biochemistry

(a) Single Honours—First and Second Years: Chemistry 101, 205 (or 200), 300, Mathematics 101, 202, Physics 100 or 101, Zoology 105. Third and Fourth Years: see University Calendar.

(b) Combined Honours—First and Second Years: as for Single Honours. Third and Fourth Years: see University Calendar.

Biology

(a) Major (Biology)—First and Second Years: Botany 105, Zoology 105. Third and Fourth Years: total of 9 units in biological courses selected in consultation with the Department.

(b) Single Honours (Biology)—First Year: Botany 105 or Zoology 105, Chemistry 101, Mathematics 101; Second Year: Botany 105 or Zoology 105, Physics 100 or 101, Chemistry 200 or 205, Mathematics 202. Third and Fourth Years: see University Calendar.

(c) Combined Honours—First and Second Years: as for Single Honours.

Botany

(a) Major (Botany)—First and Second Years: Botany 105, and 205; Third and Fourth Years: a total of 9 units in Botany courses numbered 300 or above, approved by Department.

(b) Single Honours (Botany)—First Year: Botany 105, Chemistry 101, Mathematics 101; Second Year: Botany 205, Zoology 105, Physics 100 or 101, Chemistry 200 or 205 (replaced by Geology 200 for taxonomy option). For Third and Fourth years: see University Calendar.

(c) Combined Honours—First and Second Years: as for Single Honours.

Chemistry

(a) Major—First Year: Chemistry 101, Mathematics 101; Second Year: Chemistry 200 (or 205), Mathematics 202; Third and Fourth Years: total of 9 units in Chemistry courses numbered 300 or above.

(b) Single Honours—First Year: Chemistry 101, Mathematics 101, Physics 100 or 101; Second Year: Chemistry 200, Mathematics 202, Physics 200, and 9 additional units. For Third and Fourth Years see University Calendar.

(c) Combined Honours—First and Second Years: as for Single Honours.

Criminology

(a) Major—First and Second Year: Psychology 100 and Sociology 200. One of these may be taken concurrently with courses in the Third Year. Third and Fourth Years: 9 units in Criminology.

(b) Single Honours—Prerequisites: for admission to the Third Year: a First or high Second Class standing in Sociology 200 and either Economics 200 or Psychology 100. For Third and Fourth Years see University Calendar.

(c) Combined Honours (Criminology and some other subject): as for Single Honours.

(d) Five-Year Double Honours (Criminology and some other subject)—See University Calendar.

Economics

(a) Majors, of which five are offered, are as follows:

(i) Economic History—First and Second Years: Economics 100, 200.

(ii) Theory—Second Year: Economics 200.

(iii) Banking and Finance—Second Year: Economics 200, Commerce 151.

(iv) Agricultural Economics—Second Year: Economics 200, 335.

(v) Public Policy—Second Year: Economics 200.

(b) Single Honours—Prerequisites: for admission to Third Year, a reading knowledge of French, German or Russian; a First or high Second Class in Economics 200; Economics 335 (in approved cases this course may be taken in Third Year concurrently with advanced work); Mathematics 101.

(c) Combined Honours—See University Calendar.

(d) Five-Year Double Honours—See University Calendar.

English

(a) Major—First Year: English 100 and 101; Second Year: English 200; Third and Fourth Years: total of 9 units in English courses numbered above 100, chosen in consultation with the Department.

(b) Single Honours—Prerequisites for admission to Third Year include a First or high Second Class mark in English 200, an elementary knowledge of Latin (e.g., High School Graduation Latin or Latin 90), and approval of the Department. In the last three years at least 51 units are required. Second Year: 15 units including English 200.

(c) Combined Honours—as for Single Honours.

French

(a) Major—First Year: French 120 or satisfactory standing in French 110; Second Year: French 220, or satisfactory standing in French 210; Third and Fourth Years: 9 units of French courses numbered 300 or higher, including 300 and 302.

(b) Single Honours—First Year: French 120 or satisfactory standing in French 110 and one year of Latin (if Latin 92 has not been passed in high school); Second Year: French 220 and 223.

(c) Combined Honours—As for Single Honours.

Geography

(a) Major—First or Second Year: Geography 101. Third and Fourth Years: total of 9 units in Geography, including one course of the 300 level, one of the 400 level, and a third from either group.

(b) Single Honours—First two years: Geography 101, Mathematics 101 and two years of a Modern Language; Geography 201 or 207 recommended in the Second Year for those interested in social sciences.

(c) Combined Honours—See University Calendar.

Geology

Students who intend to make Geology their profession should take Geological Engineering or the Five-Year Double Honours Course.

(a) Major—In the first two years: Geology 200, Chemistry 101, Mathematics 101, and Physics 100 or 101.

(b) Single Honours—In the first two years: Mathematics 101, Physics 100 or 101, Chemistry 101, Geology 200. Zoology 105 and Chemistry 200 (or 205) must be taken during the Second or Third Year.

(c) Five-Year Double Honours in Geology and Mineralogy—See University Calendar.

German

(a) Major—First Year: German 110 or 120 or 130; Second Year: German 200; Third and Fourth Years: a total of 9 units in German courses numbered 300 or above.

(b) Single Honours—First Year: German 110, 120, 130 or 200 (with First Class or high Second Class standing); Second Year: German 200 (or 300).

(c) Combined Honours—See University Calendar.

Greek

(a) Major—First and Second Years: Greek 101 and 202; Third and Fourth Years: 9 units in Greek courses numbered above 300, or 6 units in Greek courses numbered above 300 plus 3 units in Classical Studies.

History

(a) Major—First and Second Years: at least one of History 101, 102, 201; Third and Fourth Years: total of 9 units in History courses numbered above 300, of which 6 must be from regular departmental offerings, chosen in consultation with the Department.

(b) Single Honours—Prerequisites for admission to the Third Year include a First or high Second Class standing in at least one of the History courses open to students in the First or Second Year and a reading knowledge of French, German, Russian or Spanish. Second Year: 15 units (recommended courses are English 200, French 210 or 220 or the equivalent, one of History 102 or 201, and two electives. Students who have not taken History 101 in the First Year should take it in the Second Year).

(c) Combined Honours—See University Calendar.

International Studies

(a) Major—First and Second Years: at least one of Economics 200 and History 101; courses to give a reading knowledge of French, German, Spanish or Russian are advised; Third and Fourth Years: total of 9 units in International Studies courses numbered 300 or above, and including 400 and one of 300, 301, Asian Studies 310.

(b) Single Honours—Prerequisites for admission to the Third Year include a First or high Second Class standing in History 101 or Economics 200 and a reading knowledge of French, German, Russian or Spanish. Second Year: English 200, French 210 or 220 (or its equivalent), Economics 200, History 101 (if not already taken) or History 102, Geography 207.

(c) Combined Honours—as for Single Honours. See University Calendar for Third and Fourth Years.

Latin

(a) Major—First Year: Latin 110 or 120; Second Year: Latin 220; Third and Fourth Years: total of 9 units in Latin courses numbered above 300, or 6 units in Latin courses numbered above 300 plus 3 units in Classical Studies.

(b) Single Honours in Classics—First Year: Greek 101 and Latin 120; Second Year: Greek 202 and Latin 220.

(c) Single Honours in Latin—First Year: Latin 120; Second Year: Latin 220.

(d) Combined Honours (Classics)—First Year: Greek 101 and Latin 120; Second Year: Greek 202 and Latin 220.

(e) Combined Honours (Latin)—First Year: Latin 120; Second Year: Latin 220.

Mathematics

(a) Major—First and Second Years: Mathematics 101, 202; Third and Fourth Years: total of 9 units chosen from courses numbered above 300.

(b) Single Honours—Students may take Honours in (i) Mathematics (ii) Mathematics (Actuarial Option), (iii) Applied Mathematics. A reading knowledge of French, German, or Russian is highly desirable and students who have taken French in High School should take German or Russian. First Year: Mathematics 101, Physics 100 or 101, Economics 100 or Psychology 100 (Actuarial Option), Chemistry 101 (Applied Mathematics); Second Year: Mathematics 202, 310, Physics 200 (replaced by Mathematics 201 in the Actuarial Option).

(c) Combined Honours—See University Calendar.

Mediaeval Studies

The Departments of Classics, English, French, German, History, Philosophy, Slavonic Studies, Spanish and the School of Architecture (with Fine Arts) have combined their appropriate courses to offer an Honours B.A. in Mediaeval Studies.

These courses are also open to students taking the General B.A. degree who may, if they wish, work under the supervision of the Committee on Mediaeval Studies.

Prerequisites for admission to the Third Year: Philosophy 100, History 201 or 304, Latin 220 or its equivalent (which may be taken in Third Year but will not count for course).

Philosophy

(a) Major—First Year: Philosophy 100; Second Year: Philosophy 202; Third and Fourth Years: Philosophy 210 or 310, and six additional units in Philosophy courses numbered 300 or above, chosen in consultation with the Department.

(b) Single Honours—First and Second Years: Mathematics 101, Philosophy 100, Psychology 100 and 3 units of laboratory science.

(c) Combined Honours—First and Second Years: as for Single Honours.

(d) Five-Year Double Honours—Same as for Single Honours.

Physics

(a) Major—First Year: Mathematics 101, and Physics 100 or 101; Second Year: Mathematics 202 and Physics 200; Third and Fourth Years: total of 9 units in Physics courses numbered 300 or above, chosen in consultation with the Head of the Department.

(b) Single Honours—First Year: Chemistry 101, Mathematics 101, Physics 100 or 101; Second Year: Mathematics 202, 310, Physics 200 and 9 additional units chosen to meet Calendar regulations.

(c) Honours in Physics and Mathematics—First and Second Years: as for Single Honours.

(d) Combined Honours (Physics with a subject other than Mathematics)—First Year: Mathematics 101, Physics 100 or 101; Second Year: Mathematics 202, Physics 200.

Physiology

(a) Single Honours—First and Second Years: Chemistry 101, and 200 or 205, Mathematics 101, Physics 100 or 101, and Zoology 105; Third and Fourth Years: see University Calendar.

(b) Combined Honours—First and Second Years: as for Single Honours.

Political Science

(a) Major—Two majors are offered as follows:

(i) Political Science—First and Second Years: Economics 200 and History 201, one of which may be taken concurrently with advanced work; Third and Fourth Years: 9 units in Political Science.

(ii) Public Administration—First and Second Year: Economics 200 and History 201, one of which may be taken concurrently with advanced work; Third and Fourth Years: 9 units in Political Science.

(b) Single Honours—Prerequisites: for admission to Third Year, a reading knowledge of French, German, or Russian and First or high Second Class in Economics 200 or History 201. See University Calendar for Third and Fourth Years.

(c) Combined Honours—Prerequisites: as for Single Honours.

(d) Five-Year Double Honours—See University Calendar.

Psychology

(a) Major—First and Second Years: Psychology 100, and 201 or 202; Third and Fourth Years: 9 units in Psychology courses numbered 300 or above, chosen in consultation with the Department.

(b) Single Honours—First Year: Zoology 105, Mathematics 101, Psychology 100; Second Year: Psychology 202, and Philosophy 100.

(c) Five-Year Double Honours—First and Second Years: as for Single Honours.

Renaissance Studies

The Departments of Classics, English, French, German, History, Philosophy, Slavonic Studies, Spanish and the School of Architecture (with Fine Arts) have combined their appropriate courses to offer an Honours B.A. in Renaissance Studies.

These courses are also open to students taking the General B.A. degree who may, if they wish, work under the supervision of the Committee on Renaissance Studies.

Prerequisites for admission to the Third Year: Philosophy 100, History 201 (or History 101 or 102), Latin 90 or High School equivalent. In addition, students in their First and Second Years are advised to take at least one of the following: Economics 100, Economics 200, Fine Arts 200, History 304, and a course in a second language. Third and Fourth Years: see University Calendar.

Sociology

(a) Major—A major is offered as follows:

Sociology—Second Year: Sociology 200 and Economics 200 or Anthropology 200. One of these may be taken concurrently with courses in the Third Year; Third and Fourth Years: three courses in Sociology.

(b) Single Honours—Prerequisites: for admission to the Third Year, a reading knowledge of French, German, or Russian and a First or high Second Class standing in Sociology 200 and Economics 200 or Anthropology 200. Third and Fourth Year Course: see University Calendar.

(c) Combined Honours (Sociology combined with some other subject)—Prerequisites for admission to Third Year: as for Single Honours.

(d) Five-Year Double Honours (Sociology and some other subject)—See University Calendar.

Zoology

(a) Major—First and Second Years: Zoology 105 and Botany 105. Third and Fourth Years: a total of 9 units in Zoology or Biology courses numbered 200 or higher, chosen in consultation with the Department.

(b) Single Honours—First Year: English 100, 101, French 110 or 120, Mathematics 101, Zoology 105, Chemistry 101; Second Year: English 200, German 90 or 130, Zoology 202 or 301, Botany 105, Chemistry 205 (or 210 with special permission), Physics 100 or 101.

EXAMINATIONS AND ADVANCEMENT

Examinations

1. Examinations in all subjects, obligatory for all students, are held in December and in April.

2. Applications for special consideration on account of illness or domestic affliction must be submitted in writing to the Registrar not later than two days after the close of the examination period. In cases of illness a medical certificate must be presented to the Registrar's office.

3. In any course which involves both laboratory work and written examinations, students will be required to make satisfactory standing in both parts. Results in laboratory work will be announced prior to the final examination, and students who have not obtained a mark of at least 50% will neither be permitted to write the examination nor to receive any credit for the course. If the course is repeated no exemption will be granted from the work in either part.

Standing and Credit

1. Candidates taking at least 15 units of work, and obtaining at least 50% in each subject, will be graded as follows: First Class, an average of 80% or over; Second Class, 65 to 80%; Passed 50 to 65%.

2. (a) A student taking 9 or more units in the Winter Session will receive credit for a course only if, as a result of the final examinations of that Session, he passes in courses totalling at least 9 units, including the course in question. The passing grade for a course is 50%.

(b) A student taking less than 9 units in the Winter Session will receive credit for a course only if, as a result of the final examinations of that Session, he passes in all his courses. The passing grade for a course is 50%.

(c) A student in the Summer Session or in Extra-Sessional courses will receive credit for each course in which he obtains a grade of at least 50%.

3. Courses for which credit has not been obtained must be repeated, or permissible substitutes taken, in the next regular session attended. In the Winter Session the total of all courses taken may not exceed 18 units.

4. Term essays and examination papers will be refused a passing mark, if they are deficient in English; and, in this event, students will be required to pass a special examination in English to be set by the Department of English.

Supplementals

1. In the Winter Session, a candidate will be granted a supplemental in a subject which he has taken during the Session provided (i) he has written the final examination and has obtained a final mark of not less than 35%; and (ii) he has obtained at least 9 units of credit in that Session. In any one session, no candidate will be granted supplementals in more than 6 units. In an Evening Division Course, a student will be granted a supplemental in a subject in which he has obtained a final mark of not less than 35%. In the Summer Session, a candidate will be granted a supplemental in a subject which he has taken during that Session provided (i) he has written the final examination and has obtained a final mark of not less than 35%, and (ii) he has obtained 3 units of credit in that Session.

2. If a supplemental granted in a course is passed with a grade of at least 50%, credit will be given for the course.

3. A candidate who has been granted a supplemental may write it only once. If he fails, he must repeat the course or take a permissible substitute.

4. Supplemental examinations, covering the work of both the First and Second Terms, will be held in August or September in respect of Winter Session examinations. Supplemental examinations for Summer Session students will be held on the second day of the Summer Session.

5. Applications for supplemental examinations, accompanied by the necessary fees, must be in the hands of the Registrar by July 15th.

Notice will be sent to all students who are entitled to supplemental examinations.

Unsatisfactory Standing

1. A student with standing defective in respect of more than 3 units, although he will not be permitted to register in a higher year, may be allowed to continue by registering in the lower year and by taking courses in accordance with Paragraph 3 under "Standing and Credit."

2. A student who, twice in succession, fails to obtain credits in the Winter Session may, upon the recommendation of Faculty, be required by the College Council to withdraw from the College.

3. Any student whose academic record, as determined by the tests and examinations of the First Term of the First or Second Year, is found to be unsatisfactory, may upon the recommendation of the Faculty be required by the College Council to discontinue attendance at the College for the remainder of the Session.

COURSES IN ARTS AND SCIENCE

The number of units assigned to a course is given in round brackets immediately following the course number. Thus 105 (3) under Biology indicates that Biology 105 is a three-unit course.

The hours assigned for laboratory, lectures and tutorials in a course are indicated as follows:

2 lectures and 3 hours laboratory per week, both terms.	[2-3; 2-3]
1 lecture and 2 hours laboratory per week, first term.	[1-2; 0-0]
1 lecture and 2 hours laboratory per week, second term.	[0-0; 1-2]
2 lectures, 3 hours laboratory and 2 hours tutorial or discussion per week, either term.	[2-3-2]
2 lectures, 3 hours laboratory and 2 hours tutorial or discussion per week, both terms.	[2-3-2; 2-3-2]

BIOLOGY

Biology 105 is planned for students who intend taking no other courses in Biology, Botany, or Zoology. It is not prerequisite to Botany 105, Zoology 105, or any course in Biology.

105. (3) **Fundamentals of Biology.**—The principles of biology with emphasis upon its relation to man. Characteristics of living things; life processes; plants and animals; heredity and evolution; environmental relationships. Credit will not be given both for this course and Biology 100 (Senior Matriculation).

Text-book: Villee, **Biology** (1954 ed.). [2-2; 2-2]

BOTANY

105. (3) **Introduction to Botany.**—General perspective of the plant kingdom, physiological anatomy, ecological relations, and development trends.

Reference: Holman and Robbins, **General Botany**. [3-2; 3-2]

205. (3) **Morphology of Plants.**—A survey of the plant kingdom with emphasis on comparative and evolutionary features. Prerequisite: Botany 105.

Text-book: Gibbs, **Botany, An Evolutionary Approach**. [2-3; 2-3]

CHEMISTRY

101. (3) **General Chemistry.**—Fundamental theories, periodic table, inorganic reactions, chemical calculations. Students will be placed in lecture and laboratory sections according to their chemistry background and general scientific aptitude. Mathematics 100 or 101 must precede or be taken concurrently.

Text-book: Linus Pauling, **College Chemistry**. Anderson, **Chemical Calculations**, Sixth Edition; Malm and Franz, **College Chemistry in the Laboratory**. [3-3; 3-3]

200. (3) **Analytical, Inorganic and Physical Chemistry.**—The fundamental principles of analytical, inorganic and physical chemistry. The laboratory course consists of experiments designed to illustrate the principles of modern analytical chemistry. Prerequisites: Chemistry 101 and Mathematics 101. The latter may be taken concurrently.

Text-books: Noyes and Swift, **Qualitative Analysis**; Hamilton and Simpson, **Calculations of Analytical Chemistry**, 4th Ed.. [2-6; 2-6]

210. (3) **Elements of Organic Chemistry.**—A study of the more important families of organic compounds both aliphatic and aromatic, with particular reference to their physiological importance. Representative synthesis will be performed in the laboratory. Prerequisites: Chemistry 101, and Mathematics 100 or 101. Credit will not be given for both Chemistry 210 and 300.

Text-book: Hart and Schuetz, **A Short Course in Organic Chemistry**.

Laboratory text-book: E. Wertheim, **A Laboratory Guide for Organic Chemistry**. [2-3; 2-3]

COMMERCE

Commerce 151 is open only to those students who are permitted to register in the Second Year.

151. (3) **Fundamentals of Accounting**.—An introductory course on fundamental bookkeeping procedure, preparation of financial statements and uses which may be made of accounting data in operating business enterprise.

Text-book: Finney and Miller, **Principles of Accounting, Introductory**. [3-0; 3-0]

ECONOMICS

Economics 200 is a prerequisite to all later courses except 335 and 435.

100. (3) **Economic History of Europe**.—The development of the European economic environment, beginning with the heritage from early empires, and covering the mediaeval mercantilist and modern periods.

Text-book: Heaton, **Economic History of Europe, Revised Edition**. [3-0; 3-0]

140. (3) **Introduction to Political Economy**.—A terminal course in fundamental economic concepts for students who do not propose to qualify for upper year courses in Economics (see 200 below). Nature of wealth and income with particular reference to the framework, institutions and problems of the Canadian economy. Credit will not be given for both Economics 140 and 200. Economics 200 is prerequisite for all upper courses. Prerequisites: None.

Text-book: To be announced. [3-0; 3-0]

200. (3) **Principles of Economics**.—The institutions, processes and agencies which provide for our individual and collective well-being; basic determinants of real and money incomes, employment and living standards. Prerequisites: First Year standing; Mathematics 91 or 100 (Mathematics 100 may be taken concurrently).

Text-book: Logan and Inman, **A Social Approach to Economics, Second Edition**. [3-0; 3-0]

ENGLISH

Prerequisites

All students in First Year are required to take English 100, 101. This course is prerequisite to English 200.

Students who have failed either part of English 100, 101 will be required to repeat both parts. No further courses in English may be taken until both parts have been passed.

English 200 or its equivalent is prerequisite to all English courses above 400.

Every student is required to own a good dictionary, e.g., "The Concise Oxford Dictionary," "The American College Dictionary," "Webster's Collegiate Dictionary," "The Winston Simplified Dictionary."

First Year

100, 101. (3) **Literature and Composition**.—Elementary study of the short story, the play and poetry. Elementary principles of composition. Themes and exercises are required. This course is not divisible for purposes of credit, into two parts.

Texts: *A Little Treasury of Modern Poetry*, revised edition, ed. O. Williams; Sheridan, *School for Scandal*; Shaw, *Saint Joan*; Miller, *Death of a Salesman*; Shakespeare, *Othello*; Davidson, *American Composition and Rhetoric*, 3rd ed., 1953. Short Story Text to be announced. [4-0; 4-0]

Second Year

200. (3) **Literature and Composition**.—A study of literature from Chaucer to the nineteenth century and of the principles of composition. Themes and exercises are required.

Texts: *The College Survey of English Literature*, revised edition, Whiting, et al.; Shakespeare, *Hamlet* and *Henry IV, Part I*; Austin, *Pride and Prejudice*; Fielding, *Tom Jones*. [3-0; 3-0]

201. (3) **Children's Literature**.—For credit only in the College of Education. [3-0; 3-0]

FINE ARTS

101. (3) **History of the Fine Arts**.—History of music, art and architecture. For credit only in the College of Education. [3-0; 3-0]

FRENCH

110. (3) **First Year University French.** (Prerequisite: French 20.)—Study of French texts; grammar; pronunciation.

Texts: Irvin and Kiug, *Vingt et un Contes*; Whitmarsh, *A Simpler French Course*.
[4-0; 4-0]

120. (3) **First Year University French.** (Prerequisite: Satisfactory standing in French 92.)—Study of French texts, grammar, pronunciation.

Texts: *Contes modernes* (revised edition); Mesnard, *A Review of French Grammar*; Molière, *Le Bourgeois gentilhomme*.
[3-0; 3-0]

210. (3) **Second Year University French.** (Prerequisite: French 110).—A study of the following texts: Duhamel, *Le Notaire du Havre*; Molière, *Le Bourgeois gentilhomme*, Craven and Rey, *Entretiens à Paris sur la France d'aujourd'hui*. Composition based on the above and on Whitmarsh and Jukes, *Advanced French Course*.
[4-0; 4-0]

220. (3) **Second Year University French.** (Prerequisite: French 120 or First Class standing in French 110).—A study of the following texts: *Intermediate Readings in French Prose*, Galpin and Milligan; Flaubert, *Madame Bovary*; Duhamel, *Le Notaire du Havre*; Romans, *Knock*; Sartre, *Les Jeux sont faits*. Reference: Mesnard, *A Review of French Grammar*. Much time will be devoted to practice in writing paragraphs and short essays. There will be oral practice and tests.
[4-0; 4-0]

223. (3) **The background of Modern French Literature.**—Instruction in the organization of work; training in speech and writing. Open to students preparing for Honours.

Texts: Balzac, *Le Père Goriot*; Ledesert, *Histoire De La Littérature Française*.
[3-0; 3-0]

GEOGRAPHY

Geography 101 is one of the elective sciences.

101. (3) **Introduction to Physical Geography.**—The earth as a globe; map projections; topographic maps; origin and distribution of landforms with particular reference to North America; weather and climate; practical laboratory exercises; field trips.

Text: A. N. Strahler, *Physical Geography*, 1951.
[2-2; 2-2]

201. (3) **Economic Geography.**—An introductory course dealing with man and his occupations; the effect of physical environment upon the distribution of world population; the distribution of natural resources and problems of trade.

References: Bengston and Van Royen, *Fundamentals of Economic Geography*, 1956 ed.; Renner, Durand, White, *World Economic Geography*; Jones and Darkenwald, *Economic Geography*; Klimm, Starkey and Hall, *Introduction To Economic Geography*.
[3-0; 3-0]

207. (3) **Human and Political Geography.**—An analysis of the ways in which man has occupied the earth's surface; the differentiation of man and his culture; the development of geo-politics; the political geography of selected areas.

Text: Money, *Introduction to Human Geography*, 1954.
[3-0; 3-0]

GEOLOGY

Geology 200 is a prerequisite to all other courses in Geology.

200. (3) **General Geology.**—Introductory course: "Physical Geology," including weathering, ground water, stream, glacier and wind action, the ocean and its work, earth structure, earthquakes, vulcanism, intrusions, metamorphism and mineral deposits; "Historical Geology" includes history of the earth and its life. Prerequisites: Chemistry 101 before or concurrently.

Text: Longwell, Knopf, Flint, Schuchert, and Dunbar, *Outlines of Geology*, 1941, Wiley.
[2-2; 2-2]

GERMAN

90. (3) **Beginners' Course.**—Texts: Harold Von Hofe, *Im Wandel Der Jahre*; Steinhauer and Sundermeyer, *Introduction To German*, Revised Edition. [4-0; 4-0]

110. (3) **First Year University German.**—Texts: Von Hofe and Marcuse, *A German Sketchbook*; Hafkesbrink and Park, *Deutsche erleben die Zeit*, 2nd ed.; *An Anthology of German Poetry 1880-1940*, ed. Jethro Bithell; Adolph C. Gorr, *A Short German Review Grammar*; Extensive Reading in Schnitzler, Kafa, Mann, ed. Hatfield and Stein. Prerequisite: German 20 or German 90 (Senior Matriculation) or Pass standing in German 90 (University course). [4-0; 4-0]

120. (3) **First Year University German.**—Texts: Foltin, *Aus Nah und Fern*; Schweitzer, *Leben und Denken*; Kurtz, *Drei Novellen*; Fiedler, *A Book of German Verse*; Russon, *Complete German Course*. Prerequisite: German 92 or Second or First Class standing in German 90 (University course). [3-0; 3-0]

200. (3) **Second Year University German.**—Texts: Schiller, *Wilhelm Tell*; W. Bergengruen, *Die letzte Reise*; Mann, *Tonio Kröger*; Fiedler, *A Book of German Verse*, Steinhauer, *Deutsche Kultur*. Prerequisite: German 110 or 120. [3-0; 3-0]

GREEK

Greek 101 is open to students who have presented Greek for High School Graduation or have passed Greek 90; Greek 202 is open to those who have passed in Greek 101.

90. (3) **Beginners' Greek.**—The elements of Attic Greek.

Text-book: Crosby and Schaeffer, *An Introduction to Greek*. [4-0; 4-0]

101. (3) **Introduction of Greek Prose Authors.**

Text-books: Crosby and Schaeffer, *An Introduction to Greek*; H. D. F. Kitto, *The Greeks*. Text: Xenophon, *The First Four Books of Xenophon's Anabasis*, Goodwin and White. [4-0; 4-0]

202. (3) **Greek Literature of the Classical Period.**—Plato's *Introduction to the Republic*; a play of Aeschylus; practice in composition; brief survey of Greek literary history.

Text-books: C. M. Bowra, *Ancient Greek Literature*. Texts: Plato, *Republic, Book I*, D. J. Allen; Aeschylus, G. Murray. [3-0; 3-0]

HISTORY

101. (3) **Main Currents in Twentieth-Century History.**—This course offers a background for contemporary world problems and is prerequisite to History Honours. If the World History course has been taken in Senior Matriculation, History 102 will be required for Honours. Essays will be assigned throughout the Session.

Text: Chambers, Harris and Bayley, *This Age of Conflict*, revised edition. [3-1; 3-1]

102. (3) **The History of Canada.**—Introductory general course. History 102 is prerequisite for History 401, 420, 426, 427, 430, 433, 533. Essays will be assigned throughout the Session.

Text: A. R. M. Lower, *Colony To Nation*. [3-0; 3-0]

201. (3) **British History.**—A survey of British constitutional, economic, political, social and cultural development from Saxon times to the present day.

Text: G. M. Trevelyan, *A History of England*. [3-0; 3-0]

304. (3) **Mediaeval Europe, 500-1300.**—A general outline of mediaeval history from the fall of the Roman Empire to the 13th century. Essays will be assigned throughout the Session.

Text: Collins, *A History of Mediaeval Civilization in Europe*. [3-0; 3-0]

LATIN

90. (3) **Beginners' Latin.**—For students with no previous knowledge of Latin; for credit only to students who have not offered Latin at High School Graduation. Text:

books: L. A. Wilding, *Latin Course for Schools, Part 1*; Grose-Hodge, *Roman Panorama*; Robinson, *Latimma*. [4-0; 4-0]

110. (3) **First Year University Latin.**—Prerequisite: Latin 20 or a Pass in Latin 90. Text-books: L. A. Wilding, *Latin Course for Schools, Part 2*; North and Hillard, *Latin Prose Composition for Schools*; R. H. Barrow, *The Romans*; Robinson and Hunter, *Roma*. [4-0; 4-0]

120. (3) **Introduction to Latin Literature.**—Prerequisite: Latin 92 or a First or Second Class in Latin 90. The course includes a rapid survey of Latin grammar; study of Latin words, idioms and translations; practice in composition; reading of selections from Latin authors; history of Rome. Text-books: L. A. Wilding, *Latin Course for Schools, Part 3*; North and Hillard, *Latin Prose Composition for Schools*; R. H. Barrow, *The Romans*; Allen and Greenough, *New Latin Grammar*; Robinson, *Romani*. [3-0; 3-0]

210. (3) **Introduction to Latin Literature.**—Prerequisite: Second Class or Pass in Latin 110. The course includes a rapid survey of Latin grammar; study of Latin words, idioms and translation; practice in composition; reading of selections from Latin authors; history of Greece. Text-books: L. A. Wilding, *Latin Course for Schools, Part 3*; North and Hillard, *Latin Prose Composition for Schools*; R. H. Barrow, *The Romans*; Allen and Greenough, *New Latin Grammar*; Robinson, *Romani*. [4-0; 4-0]

220. (3) **Prose and Poetry of the Golden Age.**—Prerequisite: Latin 120 or a First Class in Latin 110. Prose of Cicero; Horace's adaptations of the Greek Lyric; the developed Epic as represented by Vergil, history of Greece. Text-books: H. D. F. Kitto, *The Greeks*; Cicero, *Catilinarian Orations*; Cicero, *Pro Archia*, Nall; Horace, *Selected Odes*, Wickham; Vergil, *Aeneid VI*, Page; Allen and Greenough, *New Latin Grammar*. [3-0; 3-0]

MATHEMATICS

100. (3) **Algebra.**—Review of elementary algebra, logarithms, ratio and proportion, progressions, interest and annuities, permutations and combinations, probability, elementary statistics. Prerequisite: Mathematics 30. Students who have credit for Mathematics 91 or its equivalent may not take Mathematics 100. (See note 6, page 20.)

Text-book: Keller, *College Algebra*, 1954, second edition. [4-0; 4-0]

101. (3) **Algebra, Geometry, and Trigonometry.**—Algebra of logic, logarithms, permutations, combinations, binomial theorem, probability; straight line, circle, parabola, ellipse, and hyperbola; elementary trigonometry. Prerequisite: Mathematics 91 or 100. Mathematics 100 may not be taken concurrently with Mathematics 101, and credit will not be given for both courses. (See note 6, page 20.)

Text-books: Allendoerfer and Oakley, *Principles of Mathematics*; The MacMillan *Logarithmic and Trigonometric Tables*. [4-0; 4-0]

Mathematics 101 is prerequisite to Mathematics 202. Either Mathematics 100 or 101 is prerequisite to Mathematics 201 and 205.

201. (3) **The Mathematical Theory of Investments.**—Theory of interest, annuities, debentures, valuation of bonds, sinking funds, depreciation, probability and its application to life insurance.

Text-book: Hummel and Seebeck, *Mathematics of Finance*, New Second Edition. [3-0; 3-0]

202. (3) **Calculus.**—Introduction to differential and integral calculus, with applications.

Text-book: Thomas, *Calculus*. [3-0; 3-0]

205. (3) **Elementary Statistics.**—Descriptive statistics, introduction to probability and sampling, correlation, index numbers, time series.

Text-book: John E. Freund, *Modern Elementary Statistics*. [3-2; 3-2]

310. (3) **Algebra and Geometry.**—Mathematical induction, complex numbers, theory of equations, determinants; conics, polar coordinates, and solid geometry. Students intending to take Honours in Mathematics or in Mathematics combined with another subject are required to take Mathematics 202 and 310 concurrently.

[3-0; 3-0]

PHILOSOPHY

100. (3) **Introduction to Philosophy.**—A systematic presentation of the problems of philosophy from the early Greeks to the present day.

Text-book: W. I. Jones, **History of Western Philosophy.**

[3-0; 3-0]

PHYSICS

Note: Students who plan to take only one course in Physics, either to meet the calendar requirements for science or to acquire some knowledge of the modern physical world, are advised to take Physics 103. All who propose to take an Honours Course in science, or any professional course, must take either Physics 100 or 101.

100. (3) **Elementary Physics.**—Principles of mechanics, properties of matter, heat, light, sound, electricity, and some of the more recent developments in physics. Mathematics 101 must precede or be taken concurrently with this course.

Text-book: Stewart, **Physics, A Text-book for Colleges**, 5th edition. [3-2-2; 3-2-2]

101. (3) **Elementary Physics.**—Principles of mechanics, properties of matter, heat, light, sound, electricity and some of the more recent developments in physics. Primarily for Honours Science and Engineering students. Prerequisite: Physics 91. Mathematics 101 must precede or be taken concurrently with this course.

Text-book: Stewart, **Physics, A Text-book for Colleges**, 5th edition. [3-2; 3-2]

103. (3) **A Survey of Physics.**—From Newton's Mechanics to Nuclear Physics, a description of ideas, principles and their applications. Students who have received credit for Physics 100 or 101 may not take this course. No prerequisites.

Text-book: White, **Classical and Modern Physics.** [3-2; 3-2]

200. (3) **Mechanics—Heat and Properties of Matter.**—Statics, friction, Newton's laws of motion, conservation laws, impact, single harmonic motion, fluid flow and surface tension, calorimetry, expansion, kinetic theory, radiation and conduction, entropy and the second law of thermodynamics. Prerequisites: Physics 100 or 101. Mathematics 202 must be taken concurrently or precede this course which is intended only for students majoring in science.

Text-books: Tyler, **Intermediate Heat**; Duncan and Starling, **Mechanics.** [3-3; 3-3]

PSYCHOLOGY

100. (3) **Introductory Psychology.**—A scientific and practical study of the basic forms of human thinking, emotions and activity.

Text-book: Morgan, **Introduction To Psychology.** [3-0; 3-0]

202. (3) **Mental Hygiene.**—Approaches to an understanding of personality, varieties of adjustive behaviour, modification of personal and social behaviour, systems of psychotherapy, approaches to mental health. Prerequisite: Psychology 100.

Text-book: Lehner and Kube, **The Dynamics of Personal Adjustment**, 1955.

[3-0, 3-0]

SPANISH

90. (3) **Beginners' Spanish.**—Grammar, composition, translation, conversation.

Texts: Mapes-Webber, **Brief Course in Spanish**; Kasten and Neale-Silva, **Lecturas Escogidas.**

[4-0; 4-0]

ZOOLOGY

105. (3) **General Zoology.**—An introduction to animal biology; structure, function, evolution and classification of animals. This course is prerequisite to all other courses in Zoology and to most courses in Biology.

Text book: A. M. Elliott, **Zoology.** [2-3; 2-3]

202. (3) **Comparative Anatomy of Vertebrates.**—Phylogeny and comparative anatomy of vertebrates and protochordates; dissection of representative forms.

[2-3; 2-3]

COURSES LEADING TO THE DEGREE OF

B. Com. (Commerce)

(Five-year course, two years of which may be taken at Victoria College).

A student who completes the course of studies in any of the following options will receive the degree of Bachelor of Commerce (B.Com.).

- | | |
|--|---|
| 1. Accounting.
2. Marketing.
3. Production.
4. Finance.
5. Transportation and Utilities.
6. Commerce and Economics.
7. Commerce and Public Administration.
8. Commerce and Science. | 9. Commerce and Actuarial Science.
10. Commerce and Teaching.
11. Commerce and Forestry.
12. Commerce and Agriculture.
13. Commerce and Hospital Administration.
14. Commerce and Law (for combined degrees) |
|--|---|

For admission to the School of Commerce, a student must have completed First Year Arts and Science, or its equivalent.

OPTION REQUIREMENTS

Pre-Commerce

Students who have completed First Year Arts or its equivalent with standing in 15 units, including English 100 and 101 and Mathematics 100 or 101 will be admitted to any option other than 8, 9, 11, 12 or 13. Students who contemplate admission to options 8, 9, 11, 12 or 13 must have obtained standing in two first year sciences, English 100 and 101, Mathematics 101 and one elective.

FIRST YEAR COMMERCE

Option No.	Obligatory	Electives
1 to 14	Eng. 200; Com. 151; Econ. 200	
1, 4, 9	Math. 201	3 units from: Geog. 201; Psych. 100 or 202; Science.
2, 3, 5	Math. 205	3 units from: Geog. 201; Psych. 100 or 202; Language; Science.
6, 7	Geog. 201	3 units from: Math. 205; Language.
8*	1st Year Science (3 units)	3 units from: Math. 202 or 205; Geog. 201.
10**		6 units from: Geog. 201; Math. 205; Psych. 100 or 202; Language; Science; History.
11	Math. 205; For. 252	
12***	Geog. 201; Agric. 100	3 units from: Math. 205; Bact. 100.
13	Psych. 202	3 units from: Chem. 101; Zoo. 105.
14	Geog. 201	3 units from: Math. 205 or 201; Psych. 100; Hist. 101; Phil. 100; Language; Science.

* Math. 205 should be chosen by those who propose to take Biology, Botany or Zoology as a major. Math. 202 should be elected by students who propose to take Chemistry or Physics as a major.

** Students should seek advice at registration as to sequence of courses to be taken in the electives chosen.

*** Bacteriology 100 is prerequisite to Dairying 200

COLLEGE OF EDUCATION

Since Victoria College offers the first two years of all the programmes in Teacher Education, the information pertaining thereto and the outlines of the various courses will be found in the following material taken from the Calendar of the University of British Columbia.

The College of Education offers programmes leading to a degree in Education, awarded by the University, and to teaching certificates, given by the Department of Education of the Province of British Columbia, in the fields of elementary and secondary teacher education. The degree granted is Bachelor of Education (B.Ed.).

Graduate programmes leading to a Master's degree are also offered in the Faculty of Graduate Studies.

CERTIFICATE AND DEGREE PROGRAMMES

A. In the Elementary Teaching Field:

(1) A four-year programme from High School Graduation (University Programme), leading to the degree of B.Ed. in the elementary teaching field and meeting the course requirements for the Professional Conditional Interim Teaching Certificate.

(2) A two-year intra-mural programme for students with High School Graduation (University Programme) standing, covering the course requirements for the Elementary Basic Interim Teaching Certificate. Successful candidates will be granted credit for the first two years of the programme (1) above.

(3) A one-year intra-mural programme for students entering with full First Year University or Grade XIII (Senior Matriculation) standing, covering the course requirements for the Elementary Basic Interim Certificate. Successful candidates will be granted credit for the Second Year of programme (1) above.

(4) To meet the present demand for teachers, an emergency one-year programme for students with High School Graduation (University Programme) standing only, leading to an Elementary Conditional Certificate valid for only four years. During the four-year period, successful candidates must complete, by Winter or Summer Sessions, the remaining courses of programme (2) above.

B. In the Secondary Teaching Field:

(1) A five-year programme from High School Graduation (University Programme), leading to the degree of B.Ed. in the secondary teaching field and meeting the course requirements for the Professional Basic Teaching Certificate.

(2) Programmes enabling elementary teachers with two years of credit toward the degree of B.Ed. in the elementary field to complete, by Winter or Summer Sessions, the remaining three years of training leading to the Professional Basic Teaching Certificate and the degree of B.Ed. in the secondary field.

(3) A one-year teacher-training programme enabling graduates with a B.A., or an acceptable bachelor's degree from a faculty other than Education, to meet the requirements for the Professional Basic Teaching Certificate.

(4) A programme enabling those who have completed programme (3) above to proceed to the degree of B.Ed.

Teaching Certificates

Since sole authority to issue teaching certificates rests with the Provincial Department of Education, Victoria, B.C., a degree or diploma from the University is not a licence to teach. Candidates who successfully complete any of the above programmes, however, will be recommended by the University to the Department for the appropriate teaching certificate.

ADMISSION REQUIREMENTS

Applicants for admission to the College of Education must meet the general requirements on pages 8 and 9. The University reserves the right, however, to reject applicants for admission to the College on the grounds of physical or health disabilities, or for other reasons. Additional requirements for the one-year courses are listed below:

For the One-Year Emergency Programme, A (4) Above:

Candidates must have obtained a minimum average of approximately 65%, or the equivalent C+ in letter grades, in the final examinations for High School Graduation (University Programme) of British Columbia or the equivalent. Candidates who have passed Grade XIII (Senior Matriculation) examinations of British Columbia or the equivalent will be admitted provided they have a minimum average of approximately 65%, or the equivalent C+ in letter grades, in the final examinations for Grade XII or XIII. Others who do not quite meet these requirements may request consideration of their cases by the Committee on Admissions, Standing and Courses, by applying in writing to the Registrar. To avoid delay, applications must be received by the Registrar prior to September 1st.

For the One-Year Programme for Graduates, B (3) above:

For admission to this programme candidates must fulfil the requirements of either (a) or (b), as follows:

(a) they must be graduates of a recognized university, have completed courses meeting the requirements listed in Section (1) below under "Preparatory Courses," and have obtained an average of at least 65% in those courses of the Third and Fourth Years which make up their teaching major, or

(b) they must be granted permission to register by the Committee on Admissions, Standing, and Courses. Students whose undergraduate records do not meet requirements (a) above may request consideration of their cases by the Committee by applying in writing to the Registrar. Applications should be in the hands of the Registrar prior to the registration period and, if delay is to be avoided, before September 1st. A personal interview may be required.

Preparatory Courses

(a) Professional Basic Certificate—Junior and Senior High School Credential.

University graduates who have fulfilled one of the following conditions will, upon successful completion of the programme B (3), above, be eligible for the Professional Basic Certificate.

1. They must have obtained in Arts and Science at least 9 units of credit in the academic courses normally offered in the Third or Fourth Years in each of at least two of the following subjects: Biology (including Botany and Zoology), Chemistry, English, French, Geography, German, History (or International Studies), Latin (or Latin and Greek), Mathematics, Psychology, Physics, Russian, Spanish. Equivalent courses in the Faculty of Applied Science may be offered. Candidates will be considered to have fulfilled the requirements of one 9-unit teaching major who offer 6 units of Third and Fourth Year credit in either History or Geography plus a total of 6 units chosen from courses approved by the College in one or more of Anthropology, Economics, Political Science, Slavonic Studies, Sociology, Geography (where the first 6 units are in History), and History (where the first 6 units are in Geography).

2. They must have completed an Honours Course in any one or two of the subjects listed above. An Honours Course in Psychology, however, is acceptable only if the student also has a 9-unit major in a teaching subject.

3. They must have obtained credit in Mathematics 101, Physics 100 or 101, Chemistry 101, Biology 100 or Biology 105 or Botany 105 or Zoology 105, plus a 9-unit major in one of these subjects and a further 9 units selected at will in the other three subject fields.

4. They must have obtained a B.A.Sc. degree which included courses meeting the requirements of 3, above.

5. They must have obtained a B.S.A. degree which included Mathematics 101, Physics 100 or 101, Chemistry 101, Biology 100 or Botany 105 or Zoology 105, and a further 9 units in one or more of these subjects.

6. They must have obtained a B.H.E. degree from this University, or its equivalent from a recognized university.

7. They must have obtained a B.P.E. degree from this University, or its equivalent from a recognized university, including in the Third and Fourth Years at least 9 units in one of the subjects listed in 1. above.

8. They must have obtained a B.Com. from this University in accordance with option 10, page 33, or its equivalent, and present satisfactory evidence of proficiency in typing and shorthand.

9. They must have obtained a 9-unit major in music, a 9-unit major in one of the subjects listed in 1. above and the A.R.C.T. or its equivalent.

(b) Professional Conditional Certificate — Junior High School Credential.

University graduates who have not fulfilled the requirements of (a) above, but who have successfully completed the programme B (3), above, will be recommended for the Professional Conditional Certificate. They may subsequently complete additional courses in their teaching subjects in order to qualify for the Professional Basic Certificate, and will be strongly urged to do so.

Admission with Advanced Standing

(a) Students with full Senior Matriculation or First Year Arts and Science will be admitted to the Second Year of either programme leading to a degree in Education.

(b) Students from other universities and from other countries are referred to page 9.

(c) Students who are completing work for a degree in another faculty (at the University or Victoria College) may transfer to the College of Education. Credit will be given for those courses already completed which meet the requirements of the degree programme in Education selected.

(d) Students transferring from the degree programme in the elementary field to the degree programme in the secondary field, or from one major to another within the secondary programme, will be given credit for such courses already completed as meet the requirements of the newly selected programme.

(e) Elementary Teacher Training taken prior to September 1956, will be recognized and evaluated toward a degree in Education on the following basis:

(i) for full Senior Matriculation of the Province of British Columbia or the equivalent of full Senior Matriculation as recognized for the Interim Elementary Basic Certificate, one year in Education;

(ii) for Normal School (British Columbia), one year in Education;

(iii) for the combination of (i) and (ii), i.e. for the Interim Elementary Basic Certificate, two years in Education;

(iv) For courses credited by the Provincial Department of Education toward the Permanent E-B Certificate degree credit will be accepted, ipso facto, toward the First and Second years; courses not so used will, in general, be accepted for credit above Second Year subject to the following terms. Insofar as the programme for the degree calls for optional courses in Education (usually six to nine units), Summer School of Education courses will be accepted without any attempt to equate them to courses offered by the College. In order to be acceptable, courses in excess of the optional units allowed by the programme must be comparable in content and unit value to the prescribed course or courses in Education in the student's programme. Courses to the value of at least $3\frac{3}{4}$ units taken in the Summer School of Education will be accepted as the equivalent of 3 units for purposes of credit. However, work completed prior to 1936 will not be accepted. In the four-year elementary programme at least 18 units must be completed in the College of Education, and in the five-year secondary programme at least 30 units.

(1) University graduates holding a Secondary Basic Certificate issued by the Department of Education, B.C., prior to December 31st, 1956, will be permitted to complete the B.Ed. degree by completing an additional 15 units of work in Education, or with the prior permission of the Committee on Admissions, Standing, and Courses, 12 units of work in Education plus 3 units of work regularly carrying Third Year or higher credit in a subject other than Education. Students who have completed the Teacher Training Course at the University of British Columbia, or its equivalent at a recognized university, will be granted 6 units of credit toward the B.Ed. degree.

University graduates holding the Professional Basic Certificate issued after December 31st, 1956, must complete the programme outlined on page 43.

(g) Candidates for the B.Ed. degree in the elementary field who already hold the Elementary Basic Certificate, must follow the programme outlined on page 43, but those who already possess an acceptable university degree will be required to complete a programme of 18 units in courses authorized by the Committee on Admissions, Standing, and Courses.

(h) A student who has completed courses at another university may submit to the Registrar a transcript of his record to be evaluated toward the requirements for a

degree in Education at the University of British Columbia. Once registered in the College, however, the candidate may expect credit for courses subsequently taken elsewhere only when prior permission has been obtained from the Committee on Admissions, Standing, and Courses. In every case, candidates must complete the Final Year of the degree course concerned in the University of British Columbia.

Inquiries Regarding Admission

Students who plan to enroll in the College of Education and who are unable, prior to registration, to come to the College for an interview, should write to the Registrar, Victoria College, Victoria, B.C. Needless delay will be avoided if the letter contains the following information:

- (a) name in full;
- (b) statement of the marks obtained by the candidate in the various high school subjects of his university entrance course, and where this course was taken (not necessary in the case of students who have been in attendance at the College);
- (c) statement of high school and university credits beyond university entrance, where these credits were obtained, and the marks awarded;
- (d) statement of the teaching certificate or certificates held, the institution in which teacher training was taken, and a statement of the course credit earned at the Summer School of Education of the British Columbia Department of Education;
- (e) statement as to the particular course or programme in Education desired, and, where this involves the secondary programme or the upper years of the elementary programme for the B.Ed. degree, a statement of the subject or subjects preferred for majors or for honours.

Registration

Registration of qualified students in the College of Education is governed by the general regulations on pages 9-12.

Special Regulation for the One-Year and Two-Year Elementary Programmes

In accordance with previous practice and by agreement between the University and the Department of Education, students who are taking the one-year programme or the two-year basic programme leading to elementary school certification, and whose homes are on the coast or lower mainland from Hope, B.C., south and west, are expected to register in the College of Education at the University of British Columbia. Those students who are taking the one-year programme or the two-year basic programme leading to elementary school certification, and whose homes are on Vancouver Island, the Gulf Islands, the Northern Coast, or in the interior of British Columbia, are similarly expected to register at Victoria College, Victoria. Any inquiries about the above arrangements should be directed to the Registrar, the University of British Columbia.

This regulation does not apply (1) to certificated teachers completing the work of the Second Year in Education by Summer Sessions; or (2) to students enrolling in the programmes for secondary teacher training.

Fees and Expenses

As all courses in teacher education will now be university courses and carry credit toward a University degree, fees paid by students in the College of Education are comparable to those in other faculties of the University. The tuition and student fees are \$235 in each year of the course.

For expenses of board and room see page 8.

Students should allow from \$50 to \$75 for books and equipment and a similar amount to cover travelling and living expenses which may be incurred in practice teaching within or outside Victoria.

Financial Assistance

Where scholarship warrants and financial need is proven to the satisfaction of the Provincial Bursary-Loan Committee, some financial assistance in the form of loans or bursaries for students either at the University or Victoria College may be granted by the Department of Education of the Province of British Columbia. See inside front cover of calendar.

Victoria College also has a small loan fund to assist students requiring financial assistance. For further information please consult the Principal.

Work in the Library and in the Cafeteria, up to a maximum of 175 hours at 75c per hour, will be provided for students of good standing who require financial assistance. Application should be made to the Registrar at time of registration on a form available for this purpose.

Examinations and Advancement

The regulations of the Faculty of Arts and Science respecting examinations, standing and credit, supplemental examinations, re-readings and unsatisfactory standing will at present apply in the College of Education.

Supplemental Standing in Practice Teaching:

Students who are granted supplemental standing in Practice Teaching may, with the approval of the Dean, undertake to remove the deficiency by repeating intramurally one-half of the practice teaching assignment in a subsequent year. The required supplemental examination fee must be paid.

Special Regulation Governing Graduation in the Five-Year Bachelor of Education Degree Programme:

To be eligible for the Bachelor of Education Degree and for recommendation to the Department of Education for a Professional Basic Certificate, the candidate must have earned:

- (1) a mark of 50% in each of the courses comprising the degree programme;
- (2) an average of not less than 60% in those subjects of the programme which constitute his majors. This average of 60% cannot be attained by re-writing for higher standing. Candidates who fail to meet this standard on completion of the regular programme may acquire it by taking additional courses approved by the Committee on Admissions, Standing, and Courses in the deficient subject area or areas. Courses taken in this way for the purpose of improving standing may not be used for credit toward another degree or certificate in Education.

Programmes at Victoria College

The following may be taken at Victoria College:

- (1) The first two years of the five-year Bachelor of Education Degree Programme.
- (2) The first two years of the four-year Bachelor of Education Degree Programme at the conclusion of which the candidate is also eligible for the Interim Elementary Basic Teaching Certificate.
- (3) The one-year emergency programme for students holding High School Graduation (University Programme) leading to the Elementary Conditional Teaching Certificate.
- (4) The one-year programme for qualified students holding Grade XIII standing (Senior Matriculation) leading to the Interim Elementary Basis Teaching Certificate.

COURSES OF STUDY

(The University reserves the right to make changes in any of the courses or requirements listed below as circumstances may require.)

1. The Five-Year Programme for the B.Ed. Degree

(Secondary Field)

This is the standard programme designed for the training of secondary school teachers. It consists of a total of 78 units. Every student is required to select two majors in teaching subjects and to take in each major, in addition to prerequisite courses, at least 9 units. A candidate who prefers to take an Honours Course in one teaching field, rather than majors in two, must be prepared to complete 84 units for the degree.

First and Second Years	Units
1. English 100-101 and English 200	6
2. History 102*	3
3. Education 102**	3
4. Two of Mathematics 101, First Year Science, First Year language other than English	6
5. One of Psychology 100, Philosophy 100, Fine Arts 101	3
6. Electives or prerequisites***	9
7. Compulsory Physical Education	0
Total	30

* History 101, if taken before registration in the College of Education, will be accepted in lieu of History 102.

** Includes observation in the schools and should be taken during the first year after registration in the College of Education.

*** Prerequisites vary according to the major field selected. For details see below.

Third Year	Units
1. English 400 or Second Year language other than English	3
2. Major subject courses*	6
3. Education 300	3
4. Electives or prerequisites	6
Total	18

Fourth Year	Units
1. Major subject courses*	6
2. Education 302	3
3. Education 332	3
4. Electives	3
5. Education 100 (Observation and Practice Teaching**)	0
Total	15

Fifth Year	Units
1. Major subject courses*	6
2. Education 401	3
3. Education 404	3
4. Education 461	3
5. Education 100 (Observation and Practice Teaching**)	0
Total	15

* An average of at least 60% in the courses of each of the major fields will be required for graduation.

** All students will be required to keep one half-day per week free of laboratories and lectures during each of the Fourth and Fifth Years in order that they may be assigned to schools for observation and practice teaching. They will also be required to devote two or three weeks after the April Examinations, following each of the Fourth and Fifth Years, to continuous practice teaching. The College will have the right to assign students to schools outside the Greater Vancouver area.

Teaching Majors

Candidates for the Professional Basic Certificate must major in two, or complete an Honours equivalent in one, of the following subject areas. Arrangements for an Honours Course in a teaching subject are indicated on page 42. The minimum requirements for majoring in each of the teaching subjects follow. Candidates may select any two. Courses carrying fewer than 3 units of credit are indicated by a lesser number in brackets following the course number, e.g., Horticulture 200 (1½). Only with the prior permission of the Committee on Admissions, Standing, and Courses may exceptions in any of the following course requirements for majors be granted.

1. Agriculture

Prerequisites: Mathematics 101, Chemistry 101, Physics 100 or 101, Botany 105, Zoology 105.

Subject Courses:

Second Year—Agriculture 100 (1).

Senior Years—Animal Science 200 (1½), Horticulture 200 (1½), Soil Science 200 (1½), Agricultural Mechanics 200 (1½), Dairying 200 (1½), Poultry Science 200 (1½), Agricultural Economics 200 (1½), Agriculture 300 (1).

Note: The requirements of Agriculture 300 are completed by participation in the one-week field trip just prior to the registration week of the Fourth or Fifth Year.

2. Art

Prerequisite: Fine Arts 101.

Subject Courses: Fine Arts 300, 301, 400 and two of 401, 402, 403, 404, 405.

3. Biological Sciences

Prerequisites: Mathematics 101, Chemistry 101, Physics 100 or 101.

Subject Courses:

First and Second Years—Botany 105, Zoology 105.

Senior Years—one of Botany 330 (2), Biology 304, Biology 400, Zoology 309, Zoology 412; one of Botany 201 (2) and Botany 202 (2), Zoology 202, Zoology 203; one of Botany 425, Biology 320, Zoology 204, Zoology 306.

Not more than 7 units may be taken in any one of Botany, Biology or Zoology.

Additional required courses: one of Physics 203, Chemistry 205.

4. Commerce (Secretarial Major)

First and Second Years: Commerce 90, 101.

Senior Years: Commerce 151, 201, 476, 391.

5. Commerce (Business Major)

First and Second Years: Commerce 90, 151.

Senior Years: Economics 200, Commerce 331, 376, 391.

6. Commerce (Double Major)

First and Second Years: Commerce 90, 101, 151, Economics 200.

Senior Years: Commerce 201, 252, 331, 376, 391, English 400.

7. Chemistry

Prerequisites: Mathematics 101, 202, and one of Botany 105, Zoology 105, Biology 105.

Subject Courses:

First and Second Years—Chemistry 101, 205.

Senior Years—Chemistry 300, 301, 111 (1), and 120 (2).

Additional required course: one of Physics 203, three-unit course in the biological sciences.

8. Drama

Prerequisites: two years of a language other than English (6 units).

First and Second Years: Drama 205 (1½), Drama 206 (1½).

Senior Years: English 421 and two of English 411, 412 or 413, 420, 422.

Additional required courses: two of English 400, Linguistics 319, additional English course (preferably 406).

9. English

Prerequisites: two years of another language (6 units).

Subject Courses:

First and Second Years—English 100-101, 200.

Senior Years—English 400; one of English 430, 431; one of English 406, 412 or 413, 427; one of English 429, 433, 434, 435.

Note: Election of an additional English course is strongly recommended. Exceptions to the choice of courses above may be made with prior permission of the Committee on Admissions, Standing, and Courses.

10. French

First and Second Years: French 120 (or 110), 220 (or 210).

Senior Years: French 302, and two of French 300, 301, 303, 400, 401, 402, 404, 405.

Note: Election of an additional course in French is strongly advised and election of one course in Latin, Greek, another modern language, or linguistics, is recommended.

11. Geography

Prerequisites: History 101 or 102 (whichever has not been taken previously).

Subject Courses:

First and Second Years—Geography 101, **one** of Geography 201, 207.

Senior Years—Geography 303, 409, plus one additional senior course in Geography.

Additional required course: **one** of History 201, Classical Studies 331, History 304.

Note: Election of an additional History course from the above list is advised.

12. German

For students wishing to major in German and a second language other than English, French is strongly recommended.

First and Second Years: German 120 (or 110 or 130), German 200.

Senior Years: German 300, 302, plus one additional senior German course.

Note: Election of an additional course in German is strongly advised, and election of one course in Latin, Greek, another modern language, linguistics, or History 314 is recommended.

13. History

First and Second Years: History 101, 102.

Senior Years: History 201; **one** of History 301, Classical Studies 331; **one** of History 311, 313, 415, 419, 426.

Additional required course: Geography 303.

Note: Election of one additional course in Geography (409), Anthropology, Political Science, Sociology, or Economics, is strongly advised.

14. Home Economics

Prerequisites: Chemistry 101, 210, Biology 304, Zoology 105.

Subject Courses:

First and Second Years—Home Economics 101, 103, 101, 200.

Senior Years—Home Economics 201, 300, 303.

15. Industrial Arts

Prerequisites: Mathematics 101, Physics 100 or 101.

First and Second Years: Education 150, Mechanical Engineering 152, 352.

Senior Years: Education 350, 351, 451, 452.

16. Industrial Arts (Double Major)

Prerequisites: Mathematics 101, Physics 100 or 101.

First and Second Years: Education 150, Mechanical Engineering 152, 352.

Senior Years: Education 350, 351, 352, 354, 450, 451, 452, 453.

17. Latin

First and Second Years: Latin 120 (or 110), 220 (or 210).

Senior Years: Latin 303, 310 (1½), and **two** of 304, 405, 406.

Note: Election of Classical Studies 331 is strongly advised and Greek 90 is recommended.

18. Mathematics

First and Second Years: Mathematics 101, 202.

Senior Years: Mathematics 306, 308, and **one** of 201, 300, 303, 310.

19. Music

Prerequisite: Fine Arts 101 and previous musical training satisfactory to the Department of Music.

First and Second Years: Music 201, 301.

Senior Years: **three** of Music 302, 303, 401, 402.

20. Physical Education

First and Second Years: Physical Education 105, 205 (1½), 262 (1½).

Senior Years: Physical Education 363 (1½), 462 (1½), 470 (1½), 460 (1½), 305 and 405.

21. Physics

Prerequisites: Mathematics 101, 202, Chemistry 101, and **one** of Botany 105, Zoology 105, Biology 105.

Subject Courses:

First and Second Years—Physics 100 or 101, 203.

Senior Years: Physics 303, 308, 400.

Additional required course: one of Chemistry 205, or another course in the biological sciences.

22. Spanish

For students wishing to major in Spanish and a second language other than English, French is strongly recommended.

First and Second Years: Spanish 120 (or 110), 201.

Senior Years: Spanish 304 and two other Spanish courses numbered 300 or above.

Note: Election of an additional Spanish course is strongly advised, and election of one Latin, Greek, another modern language, or linguistics course is recommended.

Single Honours Courses

Students who have the required standing at the Second Year of the Bachelor of Education programme may specialize in one of the following subject areas:

Biology	History	Agriculture
Botany	Latin	Commerce
Chemistry	Mathematics	Home Economics
English	Physics	Physical Education
French	Spanish	
Geography	Zoology	
German		

Specialization in a single course requires the completion of at least 84 units of work in the five years of the Bachelor of Education programme. Programmes for subjects listed in the first two columns above are governed by the regulations for the Honours Curriculum of the Faculty of Arts and Science listed on page 21. Further details will be found under the subject heading in the section dealing with courses in Arts and Science, pages 27-32.

Details for specialization in the subjects listed in the third column must be worked out with the heads of the faculty, school, or department concerned.

2. The Three-Year Programme for Teachers Holding a Normal School Diploma and the Elementary Basic Teaching Certificate and Proceeding to the B.Ed. Degree (Secondary Field)

(Note: This is not the programme for students who will complete the requirements for the Elementary Basic Certificate in the College of Education.)

A. General	Units
English 200	3
*Two of First Year language other than English, Mathematics 101, First Year Science	6
One of English 400, Second Year Foreign Language	3
* Any of these courses which have previously been taken for E-B credit may be replaced by academic or professional electives. If the student has not previously taken a History course, History 101 or 102 is strongly recommended.	
B. Special Subject Fields**	
**Major Field A including prerequisites	18
Major Field B including prerequisites	18
* * Should prerequisites have been met for the major fields, this 18 unit requirement may be reduced but the total requirement for the Third, Fourth and Fifth years will not be less than 48 units.	
C. Professional Subjects	
Education 401	3
One of Education 300, 332 or 461	3
Education 100 (Practice Teaching and Observation) may be required at the discretion of the Committee on Admissions, Standing, and Courses	0
Total	54

3. *The One-Year Course for University Graduates

Education 102	3
Education 201	3
Education 300	3
Education 302	3
Education 404	3
Education 100 (Observation and Practice Teaching)	0
Total	15

* The Professional Basic Interim Certificate requirements are satisfied by this course. A further 6 units are needed to satisfy the requirements for the Professional Basic Permanent Certificate.

Should candidates, after completing the above programme, wish to continue toward the B.Ed. degree the following additional courses will be required:

Education 332	3
Education 461	3
English 400	3
Approved electives	6
Total	15

4. The Four-Year Programme for the B.Ed. Degree (Elementary Field)

Note: Upon successful completion of the first two years of this programme, the candidate will be recommended for the British Columbia Elementary Basic Interim Teaching Certificate. Upon successful completion of the remaining two years, the candidate will be awarded the Bachelor of Education degree and recommended for the British Columbia Professional Conditional Certificate.

First Year Course	Units
English 100-1	3
History 102*	3
One of Geography 101, another laboratory science	3
Fine Arts 101	3
Education 102	3
Education 100 (Observation and Practice Teaching**)	0
Education 106 (Health and Physical Education)	0
Total	15

* History 101 will be accepted in lieu of History 102 if taken prior to registration in the College of Education.

** Students must schedule their First and Second year course in such a way as to leave one half-day per week free for observation and practice in the schools. They will also be required to spend two to three weeks in continuous practice-teaching after the April examinations in each of the First and Second years. The College of Education reserves the right to assign any student to schools outside the Greater Vancouver (or Greater Victoria) area.

*Second Year Course	Units
English 200	3
One of English 201, First Year of another language, Mathematics 100 or 101	3
Education 201	3
Education 204	6
Education 205	3
Education 100 (Observation and Practice Teaching**)	0
Education 106 (Health and Physical Education)	0
Total	18

* Students who fail to demonstrate an acceptable standard in English and Arithmetic must do so before being recommended for a teaching certificate. Remedial classes will be available for this purpose, but it is the students' own responsibility to qualify under this regulation.

** See similar note following the programme for the First Year above.

***Third and Fourth Years**

Academic Requirements

English 400	3
Mathematics 303	3
Geography 303	3

The work of the Third and Fourth years may be completed without attendance at regular winter sessions of the College.

Professional Requirements

	Units
One of Drama 321, English 401, 406, 421, Second Year of another language, Fine Arts 300, Music 200, 300	3
Psychology 301	3
Education 300	3
Education 461	3
Education 100 (Observation and Practice Teaching), continued from the first two years, for those who complete the full four-year programme before teaching in the public school system or, in other cases, as prescribed by the Committee on Admissions, Standing and Courses	0

Major Requirements

Students may choose one major, totalling not more than 15 units, from the following list:

(However, a major in some other suitable teaching field may be arranged, or the student may substitute, for a major, 6 units in academic electives and 9 units in professional electives.)

1. Exceptional Children:

One of Education 150, 305, 307; Education 403, 407 or 408, and either Education 109 and 412 or Education 533, 536, 552.

2. Fine Arts:

First and Second Years: Fine Arts 101.

Senior Years: Fine Arts 300, 301, 400, Education 305, and one of Fine Arts 401, 402, 403, 404, 405.

3. Health and Physical Education:

Physical Education 105, 205, 262, 306, 363, 462, 460 (or 470), and one of Education 120, Physical Education 305, 405.

4. Intermediate Division:

Education 406, and any 12 units chosen from the following: English 201, Education 305, 307, 309, 403, 407, 408, 435, 471.

(Other electives may be added to this list).

5. Kindergarten-Primary Division:

Education 405 and any 12 units chosen from the following: English 201, Education 305, 307, 309, 403, 407, 408, 435.

6. Librarianship:

English 201, Education 390, 490, and six units in English.

7. Music:

Prerequisite: Fine Arts 101.

Music 200, 201, 300, 301, and Education 307.

**5. The Two-Year Programme Leading to the Interim
Elementary Basic Certificate**

This course constitutes the first two years of the four-year B.Ed. programme above.

**6. The One-Year Emergency Programme Leading to the
Elementary Conditional Certificate**

The academic year for this programme continues until approximately June 1st. Special admission requirements are stated on page 35. The teaching certificate is temporary in nature, valid for only four years. During this period the holder is expected to complete a second year's work by Winter Session or Summer Session attendance either at the University of British Columbia or at Victoria College, and thereby to qualify for the Elementary Basic Certificate.

	Units
English 100-101	3
Education 102	3
Education 201	3
Education 204	6
Education 205	3
Education 105 (the Post Session)	0
Education 100 (Observation and Practice Teaching)	0
Education 106 (Health and Physical Education)	0
Total	18

Additional Courses to Meet the Requirements for the Elementary Basic Certificate:

Biology 105 or Geography 101*	3
History 102**	3
Fine Arts 101	3
English 200	3
English 201***	3
Total	15

* Another First Year laboratory science is acceptable but not preferred.

** History 101 if taken prior to registration in the College of Education is acceptable.

*** A First Year language other than English, or Mathematics 101, is acceptable but not preferred.

The One-Year Programme for Qualified Senior Matriculants Leading to the Interim Elementary Basic Certificate:

Candidates will complete the Basic Training year of the One-Year Emergency Programme above with the exception that English 200 must be taken in place of English 100 and 101. Special admission requirements are stated on page 35.

7. The Two-Year Programme for Teachers Holding a Normal School Diploma and the Elementary Basic Teaching Certificate and Proceeding to the B.Ed. Degree (Elementary Field)

Academic Courses	Units
English 200	3
*One of English 201, First-Year language other than English, or Mathematics 101	3
One of Biology 105, Geography 101 or another Science	3
English 400	3
Total	12

* Any one of these courses which have previously been taken for E-B credit may be replaced by academic or professional electives. If the student has not previously taken a History course, History 101 or 102 is strongly recommended.

Professional Courses	Units
Psychology 301	3
Education 300	3
Education 461	3
Education 100, Practice Teaching and Observation may be required at the discretion of the Committee on Admissions, Standings, and Courses	0
Total	9

Major Requirements

Students may choose one major totalling not more than 15 units. Approved major fields are: Fine Arts, Exceptional Children, Health and Physical Education, Intermediate Division, Kindergarten and Primary Division, Librarianship, Music

15

NOTE: A major in some other suitable teaching field may be arranged, or the student may substitute, for a major, 6 units in academic electives and 9 units in professional electives.

Total 36

A minimum programme of 18 units for students with two years Arts and Science plus Normal School will be arranged in consultation with the Dean.

COURSES IN EDUCATION

100. Observation and Practice Teaching.—No units of credit are assigned for this course.

102. (3) Introduction to Teaching.

105. Post-Sessional Course.—Teaching practicum, special class-room demonstrations, and special lectures after the conclusion of the final examinations in April. No units of credit are assigned.

106. Health and Physical Education for Elementary Teachers.—No units of credit are assigned.

201. (3) Educational Psychology.

204. (6) Teaching the Common Branches.—A general methods course consisting of lectures on teaching techniques applicable to all subjects; special methods in the fields of reading, language, social studies, science, health and physical education.

205. (3) Teaching the Special Subjects (Art and Music).

300. (3) Survey of Education Thought.

302. (3) Classroom Administration and Control.

305. (3) Art Education.

307. (3) Music Education.

309. (3) General Science for Elementary Teachers.

332. (3) Psychology of Adolescence and Exceptional Children.

401. (3) Educational Psychology.

403. (3) Audio-Visual Techniques in Education.

404. (3) Teaching the Secondary School Subjects.

405. (3) Special Problems in Teaching the Primary Grades.

406. (3) Special Problems in Teaching Intermediate Grades.

407. (3) Special Problems in Teaching the Mentally and Physically Handicapped.

408. (3) Special Problems in Teaching the Mentally Superior.

461. (3) Diagnostic and Remedial Teaching.

509. (3) High School Methods.—Methods of teaching two high school subjects. Not open to students who have taken the one-year course for graduates or the five-year programme for the B.Ed. degree. One and one-half units of credit for each subject.

510. (1½) Administration of School Systems.—Dominion participation in education; Provincial Department of Education; centralization and decentralization; school finance; local unit of administration.

511. (1½) Administration of the Elementary School.—Organization of elementary school; work of principal; participation of staff.

512. (1½) Administration of the Secondary School.—Programme of studies; administrative staff; guidance programme; co-curricular activities; construction of time-table.

513. (1½) Supervision.—Techniques for the improvement of instruction. Responsibilities of inspectors, supervisors, and principals.

514. (1½) Administration of Adult Education Programmes.

520. (3) History of Education.—Development of educational theory from the time of ancient Greece to the present day.

521. (3) Philosophies of Education.—Current trends in educational philosophy; social implications of contemporary educational theories. Not open to students who have taken the one-year course for graduates or the five-year programme for the B.Ed. degree.

522. (1½) The Secondary School.—Principles of secondary education. Modern developments of these in Canada and other countries.

523. (3) Comparative Education.—Types and systems of schools, mostly in England, France, Germany, Russia, the United States, and Canada.

529. (3) Educational Psychology.—Understanding of the pupil, with special reference to the adolescent, the psychology of learning, the adjustment of learning situations to individual differences, and the evaluation of instruction. Not open to students who have taken the one-year course for graduates or the five-year programme for the B.Ed. degree.

530. (3) Psychology of Learning.—Advanced course for students in Education and Psychology. Theories of learning; differential psychology. Prerequisite: Education 401 or 529, or equivalent.

531. (1½) Psychology of Childhood.—Mental, social, emotional, and physical characteristics of pre-school and elementary school pupils; their interests and problems; implications for organization and administration of school systems.

532. (1½) **Psychology of Adolescence.**—Junior and senior high school pupil as an individual and member of social groups; physical, mental, social, emotional, and religious development typical of adolescence.

533. (1½) **Psychology of Exceptional Children.**—Physical, mental, social, and emotional characteristics of exceptional children (gifted, backward, crippled, hard-of-hearing, etc.); suitable educational provisions.

534. (3) **Psychology of the School Subjects.**—Educational psychology concerned with classroom subject-matter activities.

535. (3) **Evaluation.**—Basic principles; tests and other instruments for measuring instruction.

536. (1½) **Individual Tests.**—Administration, scoring, interpreting, and values of Revised Stanford Binet, Wechsler-Bellevue, etc.; nature of intelligence; constancy of the IQ, etc.

537. 1½() **Standardized Group Tests.**—Group tests of achievements, intelligence, personality, interests, aptitudes, and attitudes.

550. (1½) **Introduction to Guidance.**—Objectives; gathering and using information concerning students; counselling; articulation of different forms; contributions of teachers, principal and specialists; analysis of typical guidance programmes.

551. (1½) **Counselling Techniques.**—For counsellors and teachers who are preparing for counselling.

552. (1½) **Mental Hygiene in the School.**—Principles of mental hygiene and their relation to classroom and broader educational problems.

553. (1½) **Occupational Information for Counsellors.**

560. (1½) **Teaching in the Secondary School.**—Modern techniques; socialized procedures; provision for individual differences through unit methods.

561. (1½) **Diagnostic and Remedial Instruction.**—Diagnostic point of view in education; causes of subject-matter disabilities; possible remedies, particularly in spelling, reading, and arithmetic.

565. (3) **Special Course in Subject-Matter Field.**—Courses in various school subjects to be organized from time to time to meet the needs of teachers in the field.

570. (3) **Educational Sociology.**—Individual and Social aims, the community and education, education and internationalism, social problems of administration and control.

575. (3) **Educational Classics and their Authors.**—Studies in the educational writings of such great educational theorists as Plato, Aristotle, Quintilian, Castiglione, Luther, Erasmus, Ignatius of Loyola, Elyot, Bacon, Comenius, Milton, Locke, Rousseau, Pestalozzi, Herbert, Froebel, Spencer, Dewey. Prerequisite: Education 300, or 520, or 521, or equivalent.

580. (3) **Problems in Education.**—Investigation and report of a problem.

581. (1½) **Methods of Educational Research.**—Scientific method in education; discovering problems; types of research; standards in thesis writing; critical study of published research.

582. (1½) **Educational Statistics.**—Frequency distribution; measures of central tendency; measures of variability; normal probability curve and its applications; sampling; reliability; correlation, its meaning and application; partial and multiple correlation.

Special Education Courses for Industrial Arts.

150. (3) **Introduction to Industrial Arts.**

350. (3) **Technology of Woodworking I.**

351. (3) **Technology of Metalworking I.**

352. (3) **Mechanical Drawing.**

354. (3) **Welding.**

450. (3) **Technology of Woodworking II.**

451. (3) **Technology of Metalworking II.**

452. (3) **Curriculum in Industrial Arts Education.**

453. (3) **Auto Mechanics.**

Courses in Other Departments

For courses in Agriculture, Commerce, Home Economics, Mechanical Engineering, and Physical Education, see sections of the Calendar under Faculty of Agriculture, School of Commerce, School of Home Economics, Faculty of Applied Science, and School of Physical Education respectively. For other courses, see sections of the Calendar for the Faculty of Arts and Science.



Victoria College
Victoria, B. C.

COURSES LEADING TO THE DEGREE OF B.A.Sc. (APPLIED SCIENCE)

(Four-year course, for which the prerequisite year in Arts and Science may be taken at Victoria College).

The degree of Bachelor of Applied Science is granted on completion of the work in one of the courses given below:

1. Agricultural Engineering.
2. Chemical Engineering.
3. Civil Engineering.
4. Electrical Engineering.
5. Forest Engineering.
6. Geological Engineering.
7. Mechanical Engineering.
8. Metallurgical Engineering.
9. Mining Engineering.
10. Engineering Physics.

Admission

For admission to courses in Engineering, a student must have completed the First Year in Arts and Science or its equivalent.

Required subjects are:

English 100 and 101	Chemistry 101
Mathematics 101	Physics 100 or 101
Language: one of the following—Latin 110 or 120, French 110 or 120, German 90 or 110 or 120 or 130.	

The passing grade for entrance to courses in Engineering is 60 per cent. in Mathematics, Chemistry and Physics, and 50 per cent. in other subjects.

No student with deficient standing will be admitted to the First Year of Applied Science.

Students intending to enter Applied Science are advised to present Chemistry 91, Mathematics 91, and Physics 91 for High School Graduation.

COURSE LEADING TO THE DEGREE OF

B.Arch (Architecture)

(Five-year course, for which the prerequisite year in Arts and Science may be taken at Victoria College).

For admission to the School of Architecture, a student must have completed the First Year in Arts and Science or its equivalent, and must have obtained an average grade of at least 60 per cent.

Required subjects are:

English 100 and 101	Chemistry 101
Mathematics 101	Physics 100 or 101
Language: one of the following—Latin 110 or 120, French 110 or 120, German 90 or 110 or 120 or 130.	

A reading knowledge of French or German is highly desirable.

Before deciding to register in Architecture, a student should arrange an interview with the Director of the School.

COURSE LEADING TO THE DEGREE OF

B.S.N. (Nursing)

Nursing A (for High School Graduates)

Upon satisfactory completion of this Course, students receive the degree of Bachelor of Science in Nursing (B.S.N.) and are qualified for staff nursing positions in public health agencies as well as in hospitals. Those with the ability can progress

through appropriate experience to more responsible positions. Only the First Year of the Course may be taken at the College and the requirements are as follows:

English 100 and 101
Chemistry 101
Zoology 105, or Biology 100 (Senior Matriculation).
*Mathematics 100 or 101

One additional course selected from: Economics 100 or 110, History 101, 102, Psychology 100, a language other than English.

Requirements for Formal Admission to the School of Nursing

Formal application for admission to First Year Nursing should be submitted not later than August 15th. The requirements are:

1. Satisfactory completion of the first year of the curriculum. Students must have obtained 60 per cent. in either Zoology or Chemistry, or, in lieu of this, an overall average of at least 60 per cent. In other subjects at least 50 per cent is required.

2. Establishment of eligibility for admission to the Vancouver General Hospital School of Nursing for the Second and Third Year Nursing. Instructions as to procedure should be obtained from the Director of the University School of Nursing.

3. A personal interview with the Director of the University School of Nursing.

COURSE LEADING TO THE DEGREE OF B.S.F.

(Bachelor of Science in Forestry)

The degree of Bachelor of Science in Forestry is granted on the completion of four years work in the Faculty of Forestry.

The courses in Forestry provide a strong, well-rounded professional forestry training and at the same time give the student, through his choice of electives, an opportunity to supplement his knowledge of allied sciences, as a background toward further specialized training. This objective is attained by requiring the student to take during each academic year a basic core of essential subjects and a certain number of other courses which are elective. The choice of the student's electives is governed by the particular phase of forestry in which he is interested. The main phases of technical forestry or allied fields are: **General Forestry** (Management, Administration, Protection, Silviculture, Utilization), **Forest Business Administration**, **Forest Products and Wood Technology**, **Forest Pathology**, **Forest Entomology** and **Wildlife Management**.

Admission

For admission to Forestry, a student shall have completed the First Year in Arts and Science at the University of British Columbia, or its equivalent at an approved university or by Senior Matriculation.

Students who plan to enter Forestry should register for the following courses in First Year Arts and Science or in Senior Matriculation:

Botany 105 (or Physics 100 or 101).
Chemistry 101.
English 100 and 101.
Mathematics 101.
One additional course.

A student who does not have credit for either Botany 105 or Physics 100 or 101 may be admitted to First Year Forestry but must consult the Dean before registering.

Students intending to enter Forestry are advised to present Chemistry 91, Mathematics 91, and Physics 91 for High School Graduation (University Programme).

COURSES LEADING TO THE DEGREE OF B.S.A.

(Bachelor of Science in Agriculture)

The degree of Bachelor of Science in Agriculture (B.S.A.) is granted as a General Course degree or with Honours. The General Course leading to the degree of B.S.A. covers a period of four years. The course leading to the degree of B.S.A. with Honours covers a period of five years and may be taken in various specialized fields of study.

* Students who have completed Mathematics 91 and obtained a mark of at least 65% may substitute for Mathematics 101 a second course chosen from the group of additional courses listed

The requirements for the First Year consist of 16 units, as outlined below:

- | | |
|-------------------------------|-------------------------|
| (a) Agriculture 100 (1 unit) | (d) English 100 and 101 |
| (b) Botany 105 or Zoology 105 | (e) Mathematics 101 |
| (c) Chemistry 101 | (f) Elective (3 units). |

Students taking one year's work at the College will lack four units of work in Agriculture which may be taken during the Second Year at the University.

COURSE LEADING TO A DEGREE IN PHARMACY

The course in the Faculty of Pharmacy covers a period of three years and leads to the Degree of Bachelor of Science in Pharmacy (B.S.P.).

For admission to Pharmacy it is required that the student shall have completed the First Year in Arts and Science with credit for the courses shown below and an average grade of at least 60 per cent., or that he shall have fulfilled these requirements by Senior Matriculation or equivalent work taken in an approved university.

The required subjects are Chemistry 101; English 100 and 101; Mathematics 101; Physics 100 or 101 or Zoology 105 (or Senior Matriculation Biology 100); and one optional subject to be chosen from Economics 100 or 140, French 110 or 120, Geography 101, German 90 or 110 or 120 or 130, History 101 or 102, Latin 90 or 110 or 120, Philosophy 100, Psychology 100.

In order to practice Pharmacy in the Province of British Columbia it is necessary to be licensed by the Pharmaceutical Association of the Province. The licensing requirements include twelve consecutive months of practical training which must be completed: (a) prior to attendance at the Faculty of Pharmacy or (b) following graduation with the B.S.P. degree.

COURSE LEADING TO BACHELOR OF LAWS

Candidates must present evidence of having:

- (a) graduated from an approved university; or
- (b) successfully completed the requirements of the School of Commerce in the combined B.Com., LL.B. course in the University of British Columbia; or
- (c) successfully completed the first three years of the course leading to the degree of Bachelor of Arts in the University of British Columbia and obtained in the Third Year thereof an average of not less than 60 per cent at the regular sessional examination; *or
- (d) successfully completed the first two years of the course leading to the degree of Bachelor of Arts in the University of British Columbia and obtained in the Second Year thereof an average of not less than 65 per cent at the regular sessional examination; *or
- (e) successfully completed the equivalent of (b), (c), or (d) at an approved university.

COURSE LEADING TO A DEGREE IN MEDICINE

Admission to the Faculty of Medicine is based primarily upon ability and pre-medical achievement as demonstrated by scholastic records and aptitude tests, and on personal qualities as evidenced by interviews and letters of recommendation from persons who know the applicant well.

It is required that candidates shall have completed the equivalent of three full years in the Faculty of Arts and Science at the University of British Columbia. The minimum acceptable scholastic average is Second Class standing (65 to 80 per cent.).

Classes entering the First Year of Medicine are limited to sixty (60) students.

Candidates are to take the Medical College Admission Test in the Fall of their Third Year of pre-medical training. Information about this test may be obtained from the Educational Testing Service, P.O. Box 592, Princeton, New Jersey. At the time the test is taken, the student should request that the scores be sent to the Screening Committee, Faculty of Medicine, University of British Columbia, Vancouver 8, B.C.

* Students proposing to seek admission to the Faculty of Law are strongly recommended to take Commerce 151.

Pre-Medical Requirements

The requirements listed below apply to students taking their pre-medical work in the Faculty of Arts and Science at the University of British Columbia. Two years of the course may be taken at Victoria College.

English: English 100 and 101 (Literature and Composition), English 200 (Literature and Composition).

Mathematics: Mathematics 101 (Algebra, Geometry and Trigonometry).

Chemistry: Chemistry 101 (General Chemistry), Chemistry 200 (Quantitative and Qualitative), Chemistry 300 (Organic Chemistry).

Physics: Physics 100 or 101 (Elementary Physics).

Zoology: Zoology 105 (General Zoology).

It is recommended that the student select courses to conform with the requirements for a baccalaureate degree. In general, Medical school courses should not be anticipated.

EVENING DIVISION

Director: Robert T. D. Wallace, M.A.

Regular First and Second Year courses in Arts are offered in the evenings at Victoria College. An opportunity to register for these courses is provided during September and any course for which there is sufficient registration will be given. The Evening Division term is the same as that of the Regular Session and classes are conducted on Tuesday and Thursday evenings at 7:30 p.m. No student may take more than one Evening Division Course (3 units) in each session.

In addition to the Regular Credit Courses, the Evening Division offers a limited number of non-credit courses. The courses to be offered in the fall of 1956 will be announced during the late summer and registration by mail will be arranged early in September.

REGISTRATION FOR 1955-56

Regular Session	Men	Women	Total	Ex-Service
First Year Arts and Science	192	107	299	1
Second Year Arts and Science	60	20	80	1
First Year Commerce	14	2	16	—
Totals	266	129	395	2
Evening Division Credit Courses				
First Year Arts and Science	19	22	41	
Second Year Arts and Science	23	13	36	
Totals	42	35	77	
Evening Division Non-Credit Courses	311	340	651	

UNIVERSITY NAVAL TRAINING DIVISION

Since the war the U.N.T.D. has served as an officer training programme for the Royal Canadian Navy and the Reserve Force. Thus students who are interested in the Navy may avail themselves of training which will develop qualities of leadership, loyalty, sound physique and self-confidence, while fitting themselves for commissions in the Regular or Reserve Force.

All applicants undergo medical and personnel tests prior to enrolment, to determine their fitness.

1. Royal Canadian Navy—Students interested in the Royal Canadian Navy are selected and enrolled under the "Regular Officers' Training Plan (R.O.T.P.)." Selected students are given the rank of Cadet. Application for admission must be made not later than July 1st in the year of entrance. Application forms and information may be obtained from the Regular Officer Training Plan Selection Board, National Defence Headquarters, Ottawa.

The Royal Canadian Navy pays between \$50 and \$75 for books and instruments, depending on the registered course at university, all tuition and other essential fees together with a subsistence allowance of \$65 per month plus pay of \$55 per month during the academic year. R.O.T.P. Cadets receive pay at the rate of \$55 per month during periods of practical Summer Training.

2. Royal Canadian Navy (Reserve)—A student interested in a commission in the Royal Canadian Navy (Reserve) is enrolled as a probationary Cadet. During January of his first year he appears before a Regional Selection Board and if found suitable is promoted to Cadet.

As a Cadet, he must complete three winters and two summers of training with U.N.T.D. and have at least three years of University to his credit in order to be considered for promotion by Selection Boards to Acting Sub-Lieutenant. He may claim up to sixteen days' full pay for regular drills during the winter.

During each summer training period, at Naval Establishments and in Ships, Reserve Cadets are paid at the rate of \$185 per month with uniforms, medical care, board and accommodation provided. A Reserve Cadet, if he desires, may apply for a Regular Service Commission.

Full information may be obtained through Staff Officer, H.M.C.S. Malahat. Applications are to be submitted at the College to the Recruiting Officer on or after September 20th, 1956.

CANADIAN OFFICERS' TRAINING CORPS

The U.B.C. Contingent of the C.O.T.C., of which the Victoria College detachment forms a part, was re-established in 1928 and has operated continuously since that time.

The revised programme governing training in the C.O.T.C. provides an opportunity for selected students to qualify for commissions in the Canadian Army, Active and Militia. Upon acceptance, the candidate is appointed as an Officer Cadet with the status of 2/Lt. at a basic pay rate of \$185 per month. He is required to devote a minimum of three hours per week at the College to theoretical training in the Winter Session, during which he may earn up to \$100, and he may engage in summer training for up to 22 weeks during each of two summers at one of the various Active Force Corps Schools across Canada. The third summer he spends as a junior officer in one of the regular units in Canada or in Germany. On the successful completion of his military training, and upon graduating from the University, the Officer Cadet is qualified for the rank of Lieutenant. A number of officers are accepted into the Active Force each year. A Regular Officer Training Plan (R.O.T.P.) has also been established whereby selected students with Senior Matriculation will be subsidized throughout University to their degrees. Their tuition and books will be paid for and, in addition, they will receive an allowance of \$120 per month during the University terms. During the summers they receive \$55 per month all found. On acceptance for R.O.T.P. a student must undertake to serve in the Regular Army for a minimum of three years following graduation.

All inquiries for information should be directed to the Officer Commanding, Victoria College Detachment, C.O.T.C. Consultation with the Resident Staff Officer may be had at the College when the academic year opens in September.

THE UNIVERSITY RESERVE TRAINING PLAN OF THE R.C.A.F.

In October, 1952, a detachment of the R.C.A.F. (Reserve) University Squadron was established at Victoria College. Members of this unit may qualify for commissions in either the regular or reserve force.

Aircrew applicants must have reached their 17th but not their 25th birthday on date of application and non-flying list applicants must have reached their 18th but not their 29th birthday on date of application. They are required to meet R.C.A.F. medical standards, and to have good academic records.

During training, members of the unit have the status of officers and hold the rank of flight cadet. Payment is received for attendance at winter lectures and for the period of 16 to 22 weeks of summer training. Pay of a flight cadet is equivalent to that of a Pilot Officer.

To qualify for a commission a flight cadet must complete two years of training at Victoria College and/or the University of British Columbia and at Air Force Units. Candidates selected for aircrew training undergo three summers of flying training, and if successful gain their wings either as pilots, navigators or radio officers.

Students with full Senior Matriculation may apply for enrolment in the Regular Officer Training Plan. Under this plan the candidate has his fees paid and receives an allowance from the R.C.A.F. Upon graduation a permanent commission is awarded.

Female students are not eligible for training at Victoria College.

Further information may be secured by contacting Flight Lieutenant G. G. McOrmond, Resident Staff Officer at the College.

SCHOLARSHIP WINNERS FOR 1954-55

High School Graduation Scholarships

Chris Spencer Foundation Special Scholarship	A. J. Stewart Smith
Chris Spencer Foundation and University Scholarships	Sarah G. Eliot Valerie A. Squance K. Anne Lucas
Vancouver Sun Scholarship for Carriers	Terry T. Robertson
John N. Hatch Scholarship	Barbara A. Sanson
I.O.D.E. Scholarship	Jerry S. Ford
British Columbia Forest Products Limited Scholarships	Phyllis R. Calvert Dennis M. Holden Lorna I. Seed
Canadian Legion Scholarships	John O. Dell Laurence P. A. Kitching Isobel B. Ogle P. Ruth Orton John E. Sawyer
U.B.C. Alumni Association Regional Scholarships	Lance S. G. Finch
Victoria Women's Canadian Club Scholarships	David A. Anderson Myrna C. Hunter
Henry Meyerhoff Scholarship	David W. Brown
Provincial Government Employees' Association Scholarship	Alvin E. J. Ford
Horace Heidt Award	Richard J. Pomeroy
Horspool Scholarship	Sandra C. Parton
Leonard Foundation Scholarship	Isobel B. Ogle
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Royal Institution and Frank Eaton Memorial Scholarship by reversion to	Thomas B. Widdowson Gary E. Corbett
Alliance Française Prize	Lorraine E. Brand
T. Eaton Company Limited Scholarship	Gael H. Stott
Quita Nichol Bursaries—Second Year	Lorraine E. Brand
First Year	Timothy A. Williams
First Year	Marjorie A. Gilbert
by reversion to	John R. Gittins
University Women's Club Scholarship	Gael H. Stott
by reversion to	Marjorie A. Gilbert
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Kiwanis Scholarship	Timothy A. Williams
Canadian Legion, B.E.S.L., Sir Percy Lake Memorial Scholarship	Barry E. Turner
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British Columbia Cement Company Scholarship	Douglas A. Hutchinson
British Columbia Electric Railway Company, Limited, Proficiency Scholarship	Katharine A. Riddle
Victoria Municipal Chapter I.O.D.E. Scholarship	Noel E. J. Boston
Kinsmen Club of Victoria Scholarship	Donna M. E. Finch
Esther Pearce Memorial Prize	Gael H. Stott
John Wesley and Emily E. Church Memorial Scholarship	Jeremy S. Winter
by reversion to	Eugene N. Diespecker
Ker Scholarship	Jeremy S. Winter
Victoria Lions Club Scholarship	Gael H. Stott
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Wyllie Prize	Heather M. Macdonnell
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I.O.D.E. Golden Jubilee Scholarship	H. Robin Brannmall
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